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BOROUGH OF NELSON.

REPORT

OF THE

Medical Officer of Health

For 1937.

R. G. MARKHAM, M.B., D.P.H.,

Medical Officer of Health.



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BOROUGH OF NELSON.

HEALTH COMMITTEE.

ALDERMAN R. BLAND (Chairman).

COUNCILLOR H. HAYTHORNTHWAITE (Vice-Chairman).

THE MAYOR (ALDERMAN J. ROBINSON).

ALDERMAN E. BOOTHMAN

„ R. J. HUSBAND

„ A. SMITH

„ H. W. THROUP

„ R. WINTERBOTTOM

COUNCILLOR E. ASHWORTH

„ A. DOLLIMORE

„ W. H. HINDLE

„ D. J. SPEAK

„ J. STEPHENSON

„ MISS N. TURNER

„ J. WIDDUP

„ MISS A. WILSON.

MATERNITY AND CHILD WELFARE COMMITTEE.

COUNCILLOR MISS A. WILSON (Chairman).

ALDERMAN R. BLAND

„ E. BOOTHMAN

„ A. SMITH

COUNCILLOR E. ASHWORTH

„ A. DOLLIMORE

„ J. HAYDOCK

„ H. HAYTHORNTHWAITE

„ W. H. HINDLE

„ MISS M. TURNER

MRS. WESTWELL

MISS S. E. WHITTAKER.

Officers of the Public Health Department.

Medical Officer of Health R. G. MARKHAM, M.B., D.P.H.

Chief Sanitary Inspector MR. J. W. INGHAM

Assistant Inspector MR. S. GRINDROD

Assistant Inspector and Chief Clerk MR. S. HAYDOCK

Clerk MR. A. WILDMAN

Housing Records Supervisor MR. N. GRIFFITHS

Health Visitors ... MISS B. E. EDMONDSON, MRS. B. WILKINSON,
and MRS. A. H. FRANKLAND*

Matron, Maternity Home MISS G. E. MYERS, C.M.B.

* Part time.

LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED BY THE COUNCIL.

Nelson Water and Gas Act, 1866.
 Nelson Local Board Act, 1879.
 Nelson Improvement Act, 1886.
 Nelson Local Board Act, 1888.
 Nelson Corporation Act, 1903.
 Nelson Provisional Orders, 1871, 1873, 1876, 1890, 1895, 1897,
 1899, 1904.
 Borough of Nelson (Extension) Order, 1897.
 The Infectious Disease (Notification) Act, 1889.
 The Public Health Acts Amendment Act, 1890, adopted 1891.
 The Infectious Disease (Prevention) Act, 1890, adopted 1896.
 The Notification of Births Act, 1907, adopted 1911.
 The Public Health Acts Amendment Act, 1907, parts adopted
 1912.
 The Nelson Corporation Act, 1921.
 The Public Health Act, 1925, except Sections 15, 35 and 41.

LIST OF BYELAWS RELATING TO SANITARY MATTERS IN FORCE IN THE BOROUGH.

Date of Adoption.

1890—Common Lodging Houses.

1897—Offensive Trades :—

Blood Boiler.

Blood Drier.

Bone Boiler.

Fellmonger.

Tanner.

Leather Dresser.

Soap Boiler.

Tallow Melter.

Fat Melter.

Tripe Boiler.

Glue Maker.

Size Maker.

Gut Scraper.

1897—Nuisances.

1897 & 1907—Slaughter Houses.

1911—Dairies, Cowsheds and Milkshops Regulations.

1912—Sanitary Conveniences.

1926—New Streets and Buildings.

STATISTICAL SUMMARY

1937.

Area, 3,466 Acres.

Population—Census, 1931	38,306
,, For Birth and Death Rates	35,670
Inhabited Houses—Census, 1931	11,128
,, ,, Rate Books, 31/12/37	11,578
REGISTERED BIRTHS :	
Live Births—Males, Legitimate	144
,, ,, Females, Legitimate	166
,, ,, Males, Illegitimate	9
,, ,, Females, Illegitimate	7
Total	— 326
Still Births—Males, Legitimate	8
,, ,, Females, Legitimate	8
,, ,, Males, Illegitimate	1
,, ,, Females, Illegitimate	—
Total	— 17
Birth Rate per 1,000 of population	9.1
Birth Rate per 1,000 of population, Illegitimate	0.45
Deaths Registered	491
Crude Death Rate per 1,000 of population	13.7
Adjusted Death Rate	14.6
Deaths from principal Zymotic Diseases	1
Zymotic Death Rate per 1,000 of population	0.02
Deaths of Infants under 1 year :—	
Legitimate	9
Illegitimate	1
Total	— 10
Infantile Death Rate per 1,000 Births	30
,, ,, ,, ,, Legitimate	29
,, ,, ,, ,, Illegitimate	62
Premature Births	—
Violent Deaths and Suicides	30
Total	— 30
Rate of above per 1,000 of population	0.8
Number of persons per house (Census 1931)	3.42
Number of persons per acre (Census 1931)	11.05
Excess of Deaths over Births	165

NELSON.

MAY, 1938.

To the Chairman and Members of the Health Committee.

LADIES AND GENTLEMEN,

I have pleasure in submitting my report on the health and sanitary conditions of the Borough for the year ended 31st December, 1937.

The Registrar General estimated the population at the middle of the year to be 35,670, and on this figure are calculated the Birth and Death Rates for the year.

For 1936 the estimated population was 36,500, the Registrar General therefore estimated a decrease of 830 within the twelve months.

The outstanding features of the figures pertaining to the Vital Statistics for the year are:—

The Live Birth Rate of 9.1 per 1,000 is the lowest recorded since 1919.

The Death Rate of 13.7 is the highest for 4 years, and is slightly higher than the average for the last ten years.

In actual figures the difference between the number of Deaths and Births for the year is 165. Each year since 1927 there has occurred more deaths than births per year, and the average number per annum over this period is now 100.

The Infantile Mortality Rate for the year is the lowest ever recorded. Only 10 deaths of infants under 1 year occurred, and this gives an Infantile Mortality Rate of 30 per 1,000 Live Births.

Comparing the Birth, Death and Infantile Mortality Rates with those of the previous year, the Birth rate shows a decrease of 0.2 per 1,000 of population, the Death Rate shows an increase of 0.6 per 1,000 of population and the Infantile Mortality Rate a decrease of 19 per 1,000 Live Births.

The Registrar General has supplied figures pertaining to the Birth Rate, Death Rate and Infantile Mortality Rate for England and Wales and various sub-divisions of the country for 1937, and when Nelson Rates are compared with these figures we obtain the following data:—

(a) The Birth Rate for Nelson is 5.8 below the rate for England and Wales, 5.8 below the rate for the County

Boroughs and great towns, 6.2 below the rate for the smaller towns and 4.2 below the Birth Rate for London.

(b) The Death Rate for Nelson is 1.3 higher than the rate for England and Wales, 1.2 higher than the rate for the County Boroughs and great towns, 1.8 higher than the small towns and 1.5 higher than the Death Rate for London.

(c) The Infantile Mortality Rate for Nelson is 28 per 1,000 births lower than the rate for England and Wales, 32 per 1,000 births lower than the County Boroughs and great towns, 25 per 1,000 lower than the rate for the smaller towns and 30 lower than the Infantile Mortality Rate for London.

There has been no Maternal Death during the year.

Tables are given in the course of this report showing analysis of the Births and Deaths according to ward distribution, the various causes of Death and the rates for these causes, the age incidence at Death, and also comparisons with the figures for previous years.

The number of cases of Infectious Disease notified during the year shows a decrease of 116 on the number notified during 1936. The decrease has occurred chiefly in the number of cases of Scarlet Fever and Diphtheria. Sporadic cases of both these diseases have occurred throughout the year, but at no time has there been any undue prevalence of the diseases.

It will be noted that 15 deaths occurred from Influenza during the year, an increase of 11 on the number of deaths from this cause in 1936. Influenza in a mild form was prevalent in the first quarter of the year and 13 deaths occurred in this period, but the majority of the deaths were of aged persons and there were other contributory causes in addition to Influenza.

The close of the year was marked by the prevalence of a catarrhal diarrhoea, and from information received from the medical practitioners the attack appeared to be very general throughout the town. The majority of the cases were mild and no deaths were reported.

It has been agreed that Nelson should become a constituent authority with the Burnley Joint Hospital Board for the treatment of Infectious Diseases, but we are awaiting the sanction of the Ministry of Health before the scheme is completed. In the meantime it has been agreed that cases in Nelson requiring removal should be treated at the Burnley Joint Hospital Board's Sanatorium, Marsden Road, Burnley.

So far as possible the Housing Records which were instituted to deal with Overcrowding are kept up to date. Some idea of the work involved may be gathered, as you will notice from the body of the report dealing with Overcrowding, that there were 2,850 known removals during the year. In addition the cards are entered week by week according to the Birth and Death Returns.

I have been in close consultation with Mr. Boothman, the Water Engineer, throughout the year, regarding the water supply, and samples of water are regularly sent away for analysis and bacteriological examination. You will notice from his remarks that apparatus for the chlorination of the water has been installed both at Ogden and Coldwell reservoirs.

At the latter reservoir the installation though temporary is to be replaced by a permanent arrangement.

The scheme for the abolition of ashpits and substitution of ashbins is practically completed, and I would suggest a further sanitary improvement would be affected if a scheme for the replacement of all waste-water-closets by fresh-water-closets could be inaugurated.

I.—STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area in Acres	3,466
Population, Census 1931	38,306
,, Estimated for Birth & Death Rates for 1937	35,670
Ordnance level, lowest point	350 feet
,, ,, highest point	1,100 feet
,, ,, centre of town	458 feet
Drainage of Surface Water—Natural, chiefly to Walverden Stream and Pendle Water.	
Subsoil—Clay, with understratum of sandstone and outcroppings of coal.	
Number of inhabited houses, Census 1931	11,128
,, ,, ,, ,, 31/12/37, Rate Books ...	11,578
,, ,, persons per house, Census 1931	3.42
,, ,, persons per acre, Census 1931	11.05
Rateable Value	£241,223
Sum represented by a penny rate (nett)	£898
Rainfall	Rather heavy

RAINFALL DURING THE YEAR 1937.

Month	Ogden	Coldwell		Victoria Park
		No 1	No. 2	
January	4.18	3.96	4.84	4.12
February	6.73	5.46	5.86	6.57
March	1.93	2.32	2.21	2.29
April	4.00	2.85	3.10	3.29
May	2.58	2.58	2.64	2.12
June	3.58	2.16	2.52	2.98
July	2.80	2.15	2.38	2.53
August	3.33	2.27	2.34	2.03
September	3.05	2.05	2.25	1.97
October	2.09	2.53	2.49	1.98
November	2.17	1.95	1.98	1.68
December	2.47	2.07	2.35	2.07
Total for year	38.91	32.35	34.96	33.63
Average over Number of years	49.67 (40 yrs.)	...	50.63 (20 yrs.)	46.06 (20 yrs.)

RAINFALL FOR FIVE PREVIOUS YEARS.

	Ogden.		Coldwell			Victoria	Meteorological
	Inches.		No. 1.	No. 2.		Park.	Station
			Inches.	Inches.		Inches.	(Cemetery). Inches.
1932	52.34	...	46.38	...	52.82	...	44.37
1933	32.22	...	33.59	...	37.91	...	28.56
1934	48.51	...	42.69	...	48.50	...	39.20
1935	57.43	...	50.90	...	55.97	...	49.34
1936	50.08	...	41.81	...	49.13	...	43.64
Average ...	48.12	...	43.07	...	48.87	...	41.02

METEOROLOGICAL STATION.

Summary of Readings from 1st January to 31st December, 1937.

BAROMETER.

Height of Barometer above Sea Level, 546 feet.

Month	Uncorrected Readings				Pressure at Mean Sea Level			
	Mean reading		Range		Highest reading		Lowest reading	
	Millibars	Inches	Millibars	Inches	Millibars	Inches	Millibars	Inches
					Day of Month		Day of Month	
January	984.4	29.069	45.4	1.341	1033.5	30.519	986.9	29.143
February	978.8	28.904	40.5	1.196	1016.7	30.023	976.2	28.827
March.....	982.3	29.007	46.3	1.367	1029.2	30.392	982.0	28.998
April	989.2	29.211	39.0	1.152	1031.4	30.457	991.2	29.270
May.....	995.6	29.400	29.0	0.856	1027.9	30.345	998.4	29.483
June	996.6	29.430	19.1	0.564	1025.6	30.286	1006.6	29.725
July.....	994.8	29.376	17.2	0.508	1022.2	30.186	1005.8	29.701
August	998.9	29.498	27.4	0.809	1029.1	30.389	1000.9	29.557
September	991.9	29.291	33.3	0.983	1023.9	30.236	989.5	29.220
October	994.7	29.373	57.4	1.695	1036.4	30.605	978.0	28.880
November	996.2	29.418	43.7	1.290	1034.3	30.543	990.2	29.241
December	989.5	29.220	60.8	1.795	1040.1	30.714	979.0	28.910
For the 12 months	991.1	29.266	63.0	1.860	1040.1	30.714	976.2	28.827
					27th Dec			27th Feb.

THERMOMETERS.

Month	In Screen										On Grass			Solar Radiation			In Ground		
	Maximum					Minimum					Mean Min.	Lowest Temp.	Day of Month	Mean Reading	Highest Reading	Day of Month	Mean	Temp	4'
	Mean	Highest Max. Temp.	Day of Month	Lowest Max. Temp.	Day of Month	Mean	Highest Min. Temp.	Day of Month	Lowest Min. Temp.	Day of Month									
January ...	44.0°	54.8°	22	31.0°	26	35.6°	45.2°	4	25.2°	15	29.6°	16.8°	15	51.0°	68.0°	21	39.4°	43.2°	
February...	43.3°	51.2°	23	33.0°	28	34.7°	45.6°	4	26.4°	12	28.6°	19.0°	12, 13	61.9°	85.4°	22	38.0°	41.6°	
March	40.9°	53.0°	19	32.4°	11	30.5°	42.0°	19	22.4°	1	23.3°	10.2°	1	73.2°	98.2°	29	35.9°	40.1°	
April	52.2°	60.0°	9	44.0°	4	40.5°	50.2°	10	31.0°	1	33.9°	23.4°	26	86.8°	109.0°	25	44.7°	42.7°	
May.....	59.7°	74.0°	29	49.0°	12	44.6°	55.6°	29	37.0°	1, 16	36.9°	25.6°	6	102.8°	119.0°	29	52.4°	47.5°	
June	61.3°	71.2°	10	54.0°	1	48.5°	56.0°	6	40.2°	3	39.8°	31.6°	18	103.7°	124.0°	15	57.7°	52.6°	
July.....	65.1°	77.8°	3	57.0°	23, 26	52.8°	61.6°	3, 18	45.2°	17	44.2°	35.4°	29	105.6°	123.4°	31	59.9°	55.3°	
August ...	68.0°	77.0°	13	60.2°	16	51.0°	59.0°	13	41.0°	27, 28	41.5°	31.0°	27	108.7°	122.0°	1	61.6°	57.5°	
September	60.6°	72.2°	27	53.2°	12	46.8°	58.2°	1	36.0°	12	36.0°	24.0°	12	94.9°	113.0°	2	54.3°	55.8°	
October ...	54.6°	64.6°	1	47.2°	20	42.7°	54.0°	1	33.8°	19	31.2°	20.4°	19	78.1°	100.2°	5	49.0°	52.6°	
November	45.4°	55.6°	3	35.2°	19	34.9°	48.8°	2	23.0°	13	23.1°	10.0°	13	62.7°	84.2°	1	40.3°	47.7°	
December	39.9°	53.8°	24	31.2°	18	32.1°	44.6°	23	19.8°	10	20.5°	6.8°	10	49.9°	64.0°	17	36.6°	42.8°	
For the 12 months	52.9°	77.8°	3rd July	31.0°	26th Jan.	41.2°	61.6°	3 & 18 July	19.8°	10th Dec.	32.4°	6.8°	10th Dec.	81.6°	124.0°	15th June	47.5°	48.3°	

RAINFALL AND HUMIDITY.

Month	Mean Relative Humid- ity %	Total Rainfall		Mean Daily Rainfall		Greatest fall in one day			No. of days with Rain	No of days with- out Rain
		m. m.	Inches	m. m.	Inches	m. m	Inches	Day of mnth		
Jan. ...	94.5	123.19	4.85	3.97	0.16	33.78	1.33	5	24	7
Feb. ...	92.5	181.36	7.14	6.48	0.26	30.73	1.21	25	22	6
Mar. ...	90.0	52.83	2.08	1.70	0.07	12.19	0.48	16	25	6
April ...	87.6	73.15	2.88	2.44	0.10	14.22	0.56	16	18	12
May ...	84.3	57.15	2.25	1.84	0.07	16.26	0.64	20	14	17
June ...	80.5	59.69	2.35	1.99	0.08	25.91	1.02	3	17	13
July ...	84.2	58.93	2.32	1.90	0.07	9.40	0.37	15	15	16
Aug. ...	82.7	52.07	2.05	1.68	0.07	13.21	0.52	13	12	19
Sept. ...	83.3	53.85	2.12	1.80	0.07	11.68	0.46	18	18	12
Oct. ...	87.7	52.58	2.07	1.70	0.07	12.70	0.50	23	14	17
Nov ...	87.9	43.43	1.71	1.45	0.06	12.95	0.51	30	11	19
Dec. ...	93.1	52.07	2.05	1.68	0.07	9.14	0.36	4	24	7
For the 12 mths.	87.4	860.30	33.87	2.36	0.09	33.78	1.33	5 Jan	214	151

BRIGHT SUNSHINE.

Month	Total Bright Sunshine hours	Mean Daily Bright Sunshine hours	Highest in one day		No. of days with Bright Sunshine	No. of days without Bright Sunshine
			Amount hours	Day of month		
Jan.	17.3	0.6	4.3	25	15	16
Feb.	37.7	1.3	7.3	23	17	11
Mar.	70.1	2.3	8.0	23	21	10
April	78.1	2.6	12.6	25	25	5
May	167.3	5.4	12.2	2	30	1
June	129.0	4.3	14.1	21	28	2
July	109.1	3.5	11.1	31	29	2
Aug.	176.9	5.7	13.3	7	30	1
Sept.	103.3	3.4	9.3	3	26	4
Oct.	76.5	2.5	9.1	4	23	8
Nov.	62.1	2.1	6.7	9	19	11
Dec.	23.5	0.8	5.1	12	12	19
For the 12 mths.	1050.9	2.9	14.1	21 June	275	90

SOCIAL CONDITIONS.

The chief industry of the district is weaving, either cotton or silk, and the various trades allied thereto. The condition of trade leaves much to be desired, and unemployment has fluctuated considerably during the year. From the records available there does not appear to have been any influence on the public health generally which could be attributed to any occupation, nor does there appear any evidence, statistical or otherwise, that unemployment has exercised any significant influence on the health or physique of children or adults.

II.—VITAL STATISTICS.

	Per 1,000 of Population				Maternal Mortality Rate		Rate of Deaths under 1 year per 1,000 Live Births
	Live Birth Rate	Crude Death Rate	Death Rate from Tuberculosis of Respiratory System	Death Rate from Cancer	Per 1,000 Live Births	Per 1 000 Total Live and Still Births	
1937	9.1	13.7	0.39	1.42	Nil	Nil	30
1936	9.3	13.1	0.30	1.50	Nil	Nil	49
Increase or decrease in 1937 on previous year	+0.2	+0.6	+0.09	- 0.08	Nil	Nil	-19
Mean of 5 years 1932-1936	9.8	13.0	0.48	1.53	4.72	4.45	62
Increase or decrease in 1937 on 5 years average	- 0.7	+0.7	- 0.09	-0.11	-4.72	-4.45	-32

BIRTHS (Figures supplied by Registrar General).

Total Number of Registered Live Births	326
Males	153
Females	173
Legitimate Males	144
,, Females	166
Illegitimate Males	9
,, Females	7
Total Number of Registered Still-births	17
Males (Legitimate 8, Illegitimate 1)	9
Females (Legitimate 8, Illegitimate 0)	8

BIRTH RATES.

Corrected Birth Rate for year calculated on population of 35,670	9.1
Legitimate Births (alive)	8.6
Illegitimate Births (alive)	0.4
Legitimate Births (still-births)	0.4
Illegitimate Births (still-births)	0.02
Legitimate Births (alive and still-births)	9.1
Illegitimate Births (alive and still-births)	0.4
Total Births (alive and still-births)	9.6
Still-births only	0.4

MONTHLY ANALYSIS OF BIRTHS IN WARDS (NOTIFIED).

Month	Bradley		Central		Clover Hill		Marsden		Netherfield		Southfield		Walverden		Whitefield		Total		Out of Borough				Gross Total of Notified Births		
	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Bradley	Netherfield		Total		Alive	Dead		
																		Alive	Dead	Alive	Dead			Alive	Dead
Jan. ...	3	1	2	...	2	...	3	...	4	...	3	...	5	...	...	...	...	...	...	...	...	22	...	1
Feb. ...	3	...	4	...	3	...	1	...	...	...	4	...	5	...	...	...	...	...	...	...	...	28	...	2
March.	3	...	2	...	2	...	3	...	4	...	1	...	3	...	...	...	...	...	...	...	...	24	...	5
April ...	3	...	1	...	4	...	1	...	...	...	5	...	3	...	...	...	...	...	...	...	...	24	...	1
May ...	7	...	3	...	1	...	3	...	7	...	4	...	6	...	...	...	...	...	...	...	...	39	...	1
June ...	4	1	...	...	7	...	3	...	7	...	6	...	4	...	...	...	...	...	...	...	...	36	...	1
July ...	6	...	4	...	1	...	3	...	3	...	1	...	5	...	...	...	...	...	...	...	...	27	...	...
Aug. ...	1	...	3	...	2	...	4	...	3	...	...	...	8	...	...	...	...	...	...	...	...	24	...	1
Sept. ...	1	...	2	...	4	...	2	...	6	...	...	...	7	...	...	...	...	...	...	...	...	25	...	1
Oct. ...	2	...	1	...	1	...	1	...	2	...	5	...	2	...	...	...	...	...	...	...	...	16	...	1
Nov. ...	4	...	1	...	1	...	4	...	...	...	2	...	3	...	...	...	...	...	...	...	...	20	...	1
Dec. ...	1	...	2	...	1	...	1	...	1	...	2	...	1	...	...	...	...	...	...	...	...	12	...	1
Total...	38	2	25	...	29	...	29	2	47	6	33	1	52	3	26	...	279	14	3	...	15	18	2	297	16

Births in the Fern Lea Maternity Home are allocated to the Wards of the Borough in which the patients reside.

DEATHS. (Figures supplied by the Registrar-General).

Total number of deaths in district	395
Number of deaths of non-residents	12
Number of deaths of residents occurring outside the Borough	108
Total Nett Deaths for the year	491
Crude Death Rate, calculated on population of 35,670	13.7 per 1,000
Adjusted Death Rate (Comparability Factor 1.07)	14.6 per 1,000
Increase on last year	0.6
Excess of Deaths over Births in 1928	32
Excess of Deaths over Births in 1929	126
Excess of Deaths over Births in 1930	14
Excess of Deaths over Births in 1931	100
Excess of Deaths over Births in 1932	70
Excess of Deaths over Births in 1933	142
Excess of Deaths over Births in 1934	131
Excess of Deaths over Births in 1935	107
Excess of Deaths over Births in 1936	139
Excess of Deaths over Births in 1937	165
Average excess of Deaths over Births for 10 years	100

CAUSES OF DEATH.

ALL CAUSES.				Males 249		Females 242	
		M.	F.			M.	F.
1	Typhoid & Paratyphoid Fevers.....	...	...	21	Other Respiratory Diseases	5	1
2	Measles .... .	...	...	22	Peptic Ulcer	6	2
3	Scarlet Fever .....	...	...	23	Diarrhoea, &c. (under 2 years) ...	...	...
4	Whooping Cough ...	1	...	24	Appendicitis	1	3
5	Diphtheria .....	...	...	25	Cirrhosis of Liver...	1	1
6	Influenza	11	4	26	Other Diseases of Liver, &c.	1	3
7	Encephalitis Lethargica.....	...	...	27	Other Digestive Diseases	4	7
8	Cerebro-Spinal Fever	1	...	28	Acute and Chronic Nephritis	10	10
9	Tuberculosis of Respiratory System	7	7	29	Puerperal Sepsis ...	...	...
10	Other Tubercular Diseases	2	1	30	Other Puerperal causes .....	...	...
11	Syphilis	1	...	31	Congenital Debility Premature Birth Malformation, &c.	4	2
12	General Paralysis of the Insane Tabes Dorsalis...	1	...	32	Senility	7	7
13	Cancer, Malignant Disease	26	25	33	Suicide	7	2
14	Diabetes	3	8	34	Other Violence.....	10	11
15	Cerebral Hæmorrhage, &c.....	16	14	35	Other defined Diseases	16	19
16	Heart Disease	64	75	36	Causes ill-defined or unknown .....	...	...
17	Aneurysm	3	1				
18	Other Circulatory Diseases	24	19	Special causes included in No. 35			
19	Bronchitis	8	15	Smallpox			
20	Pneumonia <i>all forms</i>	9	5	Poliomyelitis.....			
				Polioencephalitis			

DEATH RATES PER 1,000 OF POPULATION FROM VARIOUS CAUSES.
COMPARISON WITH THE FIVE PREVIOUS YEARS.

CAUSE OF DEATH	Death Rate per 1,000 of Population.					
	1937	1936	1935	1934	1933	1932
All Causes	13·7	13·1	12·4	12·7	14·2	12·8
Typhoid and Paratyphoid Fevers	...	...	...	...	...	0 026
Measles ... ..	...	...	...	0·027	0·026	...
Scarlet Fever ... ..	...	...	0·081	0·053	0·053	...
Whooping Cough	0·028	0·054	...	0·027	0·079	0·026
Diphtheria ... ..	...	0·191	0·081	0·027	0·026	0·026
Influenza	0·420	0·109	0 188	0·134	0 981	0·287
Encephalitis Lethargica ... ..	...	0·082	...	0·053	0·053	0·052
Cerebro Spinal Fever	0·028	0 027	...	0·027	...	...
Tuberculosis of Respiratory System	0·392	0·301	0·620	0·535	0·451	0·549
Other Tubercular Diseases	0·084	0 054	0·054	0 241	0 185	0·183
Syphilis	0·028	0·027	0·054	0·053	0·106	...
General Paralysis of the Insane, tabes dorsalis	0·028	0·027	0 054	...	...	0·026
Cancer, Malignant Disease	1·429	1·506	1·267	1·766	1·750	1·386
Diabetes	0·308	0·109	0·350	0·375	0 238	0 156
Cerebral Hæmorrhage, &c.	0·841	0 712	0·674	0·696	0 716	0 941
Heart Disease	3·897	3 369	3·262	3·105	3 712	3·505
Aneurysm	0·112	0 082	...	0·080	...	0 052
Other Circulatory Diseases	1·205	0 904	0·647	0·856	0·610	0·837
Bronchitis	0 645	0·876	0 620	0·348	0·875	0·654
Pneumonia, all forms	0·392	0·328	0·377	0·455	0·636	0 523
Other Respiratory Diseases	0·168	0 109	0 134	0·053	0·132	0·052
Peptic Ulcer	0·224	0·191	0·16	...	0·132	0 052
Diarrhœa, &c. (under 2 years) ... ..	...	0·027	0 027	0·107	...	...
Appendicitis	0·112	0 027	0·161	0·053	0 106	0·052
Cirrhosis of Liver	0·056	...	...	...	0·106	0 078
Other Diseases of Liver, etc.	0·112	0·109	0·161	0·214	0·079	0 209
Other Digestive Diseases	0 308	0·410	0·512	0·375	0 238	0 313
Acute and Chronic Nephritis	0·561	0·684	0 296	0·455	0·371	0·523
Puerperal Sepsis ... ..	...	...	...	...	...	0·026
Other Puerperal Causes ... ..	...	...	...	0·050	0·106	0·026
Congenital Debility, Premature Birth, Malformations, etc.	0·168	0·273	0·512	0·241	0·451	0·444
Senility	0 392	0 548	0 404	0·428	0·397	0·549
Suicide	0·252	0 137	0·377	0·214	0·185	0 156
Other Violence	0·589	0 383	0·404	0·482	0·424	0·209
Other defined Diseases	0 981	1·452	0·916	1 124	0·954	0·758
Causes ill-defined or unknown ... ..	...	0·027	...	0·053	0·026	0·130
Special Causes (included in other diseases) ... ..	...	...	...	...	...	...
Smallpox ... ..	...	...	...	...	...	...
Poliomyelitis ... ..	...	...	...	...	...	...
Polioencephalitis ... ..	...	...	...	...	...	0·026

COMPARISON OF NUMBER OF DEATHS FROM VARIOUS CAUSES, WITH
CORRESPONDING FIGURES FOR 1936.

Causes of Death	No. of Deaths 1936	No. of Deaths 1937	Increase for Year	Decrease for Year
Typhoid and Paratyphoid Fevers .....	...	...	...	...
Measles .....	...	...	...	...
Scarlet Fever .....	...	...	...	...
Whooping Cough	2	1	...	1
Diphtheria	7	...	...	7
Influenza	4	15	11	...
Encephalitis Lethargica	3	...	...	3
Cerebro Spinal Fever	1	1	...	...
Tuberculosis of Respiratory System ...	11	14	3	...
Other Tuberculous Diseases	2	3	1	...
Syphilis	1	1	...	...
General Paralysis of the insane, tabes dorsalis	1	1	...	...
Cancer, Malignant Disease	55	51	...	4
Diabetes	4	11	7	...
Cerebral Hæmorrhage, etc.	26	30	4	...
Heart Disease	123	139	16	...
Aneurysm	3	4	1	...
Other Circulatory Diseases	33	43	10	...
Bronchitis	32	23	...	9
Pneumonia (all forms)	12	14	2	...
Other Respiratory Diseases	4	6	2	...
Peptic Ulcer	7	8	1	...
Diarrhœa, etc. (under 2 years)	1	...	...	1
Appendicitis	1	4	3	...
Cirrhosis of Liver .....	...	2	2	...
Other diseases of Liver, etc.	4	4	...	...
Other Digestive Diseases	15	11	...	4
Acute and Chronic Nephritis	25	20	...	5
Puerperal Sepsis .....	...	...	...	...
Other Puerperal Causes .....	...	...	...	...
Congenital Debility, Premature Birth, Malformations	10	6	...	4
Senility	20	14	...	6
Suicide	5	9	4	...
Other Violence	14	21	7	...
Other defined diseases	53	35	...	18
Causes ill-defined or unknown	1	...	...	1
Special causes (included in other diseases):—				
Smallpox .....	...	...	...	...
Poliomyelitis .....	...	...	...	...
Polioencephalitis .....	...	...	...	...

SUMMARY OF AGES AT DEATH.

Age Groups	Deaths in Nelson		Outward Tra'sfers		Inward Tra'sfers		Total Deaths allocated to Nelson			% of each group to total deaths
	M.	F.	M.	F.	M.	F.	M.	F.	Total	
Under 1 year.....	6	2	...	...	1	1	7	3	10	2.0
Over 1 and under 2 years	2	1	...	...	...	...	2	1	3	0.6
" 2 " 5 "	...	1	...	...	...	1	...	2	2	0.4
" 5 " 10 "	1	1	...	...	...	2	1	3	4	0.8
" 10 " 15 "	2	...	...	...	1	...	3	...	3	0.6
" 15 " 20 "	1	...	...	...	1	...	2	...	2	0.4
" 20 " 25 "	2	2	...	...	...	2	2	4	6	1.2
" 25 " 30 "	2	4	...	...	1	...	3	4	7	1.4
" 30 " 35 "	3	1	...	1	2	...	5	...	5	1.0
" 35 " 40 "	6	2	...	...	1	3	7	5	12	2.5
" 40 " 45 "	5	3	1	1	6	4	10	6	16	3.3
" 45 " 50 "	8	8	...	...	4	1	12	9	21	4.3
" 50 " 55 "	18	9	...	1	6	2	24	10	34	7.0
" 55 " 60 "	18	20	2	...	3	3	19	23	42	8.6
" 60 " 65 "	29	20	1	1	7	3	35	22	57	11.6
" 65 " 70 "	30	28	1	...	11	4	40	32	72	14.7
" 70 " 75 "	25	33	1	1	6	11	30	43	73	14.8
" 75 " 80 "	24	35	...	1	5	5	29	39	68	13.7
" 80 " 85 "	8	23	...	...	5	4	13	27	40	8.2
" 85 " 90 "	4	7	...	...	...	1	4	8	12	2.5
" 90 " 95 "	1	...	...	...	...	1	1	1	2	0.4
" 95 " 100 "	...	...	...	...	...	...	...	...	...	...
Totals.....	195	200	6	6	60	48	249	242	491	...

% of deaths of 70 years and over, 39.7.

MONTHLY ANALYSIS OF DEATHS IN WARDS IN 1937.

Month	Bradley			Central			Clover Hill			Marsden			Netherfield			Southfield			Walverden			Whitefield			Total		
	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T
Jan.	12	...	...	5	...	1	6	...	1	3	...	1	6	...	1	3	...	...	2	...	3	7	...	...	49	...	10
Feb.	7	1	1	7	...	1	8	...	3	...	...	2	4	...	...	3	...	...	4	...	2	3	...	1	51	1	18
Mar.	4	1	3	3	...	...	7	...	...	...	...	...	6	1	...	2	...	...	...	...	1	4	1	3	37	3	8
Apr	6	2	...	1	...	...	3	...	...	...	...	...	3	...	...	2	...	...	...	...	1	...	...	2	36	2	5
May	5	...	4	2	...	1	4	...	...	1	...	...	4	...	...	2	...	...	...	...	...	4	...	1	26	...	14
June	4	1	...	4	1	...	4	...	2	...	...	2	5	...	...	1	...	...	...	1	...	5	...	...	33	2	8
July	1	...	2	3	...	1	5	...	...	...	...	...	3	...	1	1	...	...	2	...	2	...	...	...	15	...	9
Aug.	5	...	...	1	...	...	2	...	...	...	...	...	1	...	1	...	...	...	...	2	...	3	...	...	20	...	4
Sept.	5	...	2	2	...	1	5	...	...	...	...	...	3	...	...	1	...	...	...	2	...	5	...	2	28	...	8
Oct.	3	1	1	3	...	...	4	...	1	...	...	...	2	...	...	2	...	...	...	1	...	2	...	1	21	...	5
Nov.	4	1	5	1	...	...	1	...	3	...	...	2	3	...	1	...	...	...	4	...	1	...	...	1	24	1	11
Dec.	12	1	1	2	...	1	9	...	6	...	...	...	8	...	...	3	...	...	2	...	2	9	...	4	55	2	8
Totals	68	8	21	34	1	5	58	...	41	...	6	48	1	13	14	42	...	...	50	1	17	54	1	19	395	12	108
Nett Deaths	81			38			71			47			60			56			66			72			491		

MONTHLY ANALYSIS OF DEATHS SHOWING RATES.

Month	Actual Deaths in Nelson		Outward Transfers		Inward Transfers		Nett Deaths for Nelson	
	Number	Death Rate	Number	Death Rate	Number	Death Rate	Number	Death Rate
Jan.....	49	16·5	...	...	10	3·4	59	19·8
Feb	51	17·1	1	0·3	18	6 0	68	22 9
Mar. ..	37	12 4	3	1 0	8	2·7	42	14·1
April	36	12 1	2	0·7	5	1·7	39	13·1
May.....	26	8·7	...	...	14	4 8	40	13·4
June ...	33	11·1	2	0·7	8	2·7	39	13·1
July.....	15	5 0	...	...	9	3 0	24	8 1
Aug. ...	20	6·7	...	...	4	1·3	24	8·1
Sept. ...	28	9·4	...	...	8	2·7	36	12·1
Oct.....	21	7·1	1	0 3	5	1·7	25	8·4
Nov. ...	24	8·1	1	0·3	11	3 7	34	11·4
Dec	55	18·5	2	0·7	8	2·7	61	20·5

AVERAGE AGE AT WHICH DEATH OCCURRED.

	1937			1936	1935	1934
	Male	Female	Total Persons	Total Persons	Total Persons	Total Persons
Deaths in Nelson :						
Excluding infants under 12 months	61·29	66·06	63·72	62·01	59·52	61·24
Including infants under 12 months	59·48	65·39	62 42	60·00	55·81	58·64
Deaths in Nelson of non- residents :						
Excluding infants under 12 months	60·33	59·57	59·92	49 85	50·09	53·12
Including infants under 12 months	60·33	59·57	59·92	49·85	42·38	53·12
Deaths of residents of Nel- son in other districts :						
Excluding infants under 12 months	59·07	59·17	59·11	59·01	59·69	55·87
Including infants under 12 months	58·08	57·95	58 02	56 65	56·34	54 06
Nett deaths allocated to Nelson :						
Excluding infants under 12 months	60·81	64·87	62·80	61·92	60·21	60·49
Including infants under 12 months	59·12	64·05	61·53	59·74	56·68	57·95

INFANTILE MORTALITY.

Total number of Deaths under 1 year of age in Nelson	8
Number of Deaths of Infants in Nelson non-resident	—
Number of Deaths of Infants outside Nelson transferred to Nelson	2
Nett Deaths under 1 year	10
Decrease on last year	7
Infantile Mortality Rate	30
Average for the previous five years per 1,000 births	58

The causes of deaths of Infants during the last ten years are shown in the following table.

Year	Infectious Diseases	Diarr- hoeal Diseases	Premature Births, Congenital Defects and Injury at Birth	Wasting Diseases	Chest Diseases	Other Diseases	Total
1928	1	5	10	2	6	1	25
1929	2	1	8	6	7	2	26
1930	...	2	26	2	2	5	37
1931	2	1	10	1	3	1	18
1932	1	...	16	1	5	...	23
1933	4	...	17	2	4	4	31
1934	3	3	9	...	5	...	20
1935	...	1	19	2	3	2	27
1936	1	...	10	...	2	4	17
1937	...	...	6	...	1	3	10

COMPARISON OF INFANTS' DEATHS AT VARIOUS AGE PERIODS.

AGE GROUP.	1936			1937		
	No of Deaths	% of Infant Deaths	Mortality Rate per 1000 Births	No. of Deaths	% of Infant Deaths	Mortality Rate per 1000 Births
Under 1 day	5	29·4	14	...	...	...
Over 1 day and under 2 days .....	...	...	...	1	10·0	3
„ 2 days „ 3 „	1	5·9	3	1	10·0	3
„ 3 „ „ 4 „ .....	...	...	...	1	10·0	3
„ 4 „ „ 5 „ .....	...	...	...	...	...	...
„ 5 „ „ 6 „ .....	...	...	...	...	...	...
„ 6 „ „ 7 „ .....	...	...	...	1	10·0	3
Total under 1 week.....	6	35·3	17	4	40·0	12
Over 1 week and under 2 weeks ...	1	5·9	3	...	...	...
„ 2 weeks „ 3 „ ...	2	11·8	6	...	...	...
„ 3 „ „ 4 „ ...	...	...	...	..	...	...
Total under 1 month.....	9	53·0	26	4	40·0	12
Over 1 month and under 3 months	3	17·6	8	1	10·0	3
„ 3 months „ 6 „	2	11·8	6	3	30·0	9
„ 6 „ „ 9 „	...	...	...	1	10·0	3
„ 9 „ „ 12 „	3	17·6	8	1	10·0	3
TOTAL DEATHS.....	17	100·0	49	10	100·0	30

COMPARISONS OF INFANTILE MORTALITY RATES PER QUARTER AND
PER MONTH (NOTIFIED BIRTHS).

	Number of Infant Deaths.	Infantile Mortality Rate.
March quarter	2 ...	27
June quarter	3 ...	30
September quarter	1 ...	13
December quarter	4 ...	83

Month.	No. of Live Births Notified.	No. of Infant Deaths for month.	Total to-date.	Infant Mortality Rate for month.	to-date.
January	22 ...	1 ...	1 ...	45 ...	45
February	28 ...	1 ...	2 ...	35 ...	40
March	24 ...	— ...	2 ...	— ...	27
April	24 ...	2 ...	4 ...	83 ...	40
May	39 ...	1 ...	5 ...	25 ...	36
June	36 ...	— ...	5 ...	— ...	28
July	27 ...	— ...	5 ...	— ...	25
August	24 ...	1 ...	6 ...	41 ...	26
September	25 ...	— ...	6 ...	— ...	24
October	16 ...	1 ...	7 ...	62 ...	26
November	20 ...	1 ...	8 ...	50 ...	28
December	12 ...	2 ...	10 ...	166 ...	33

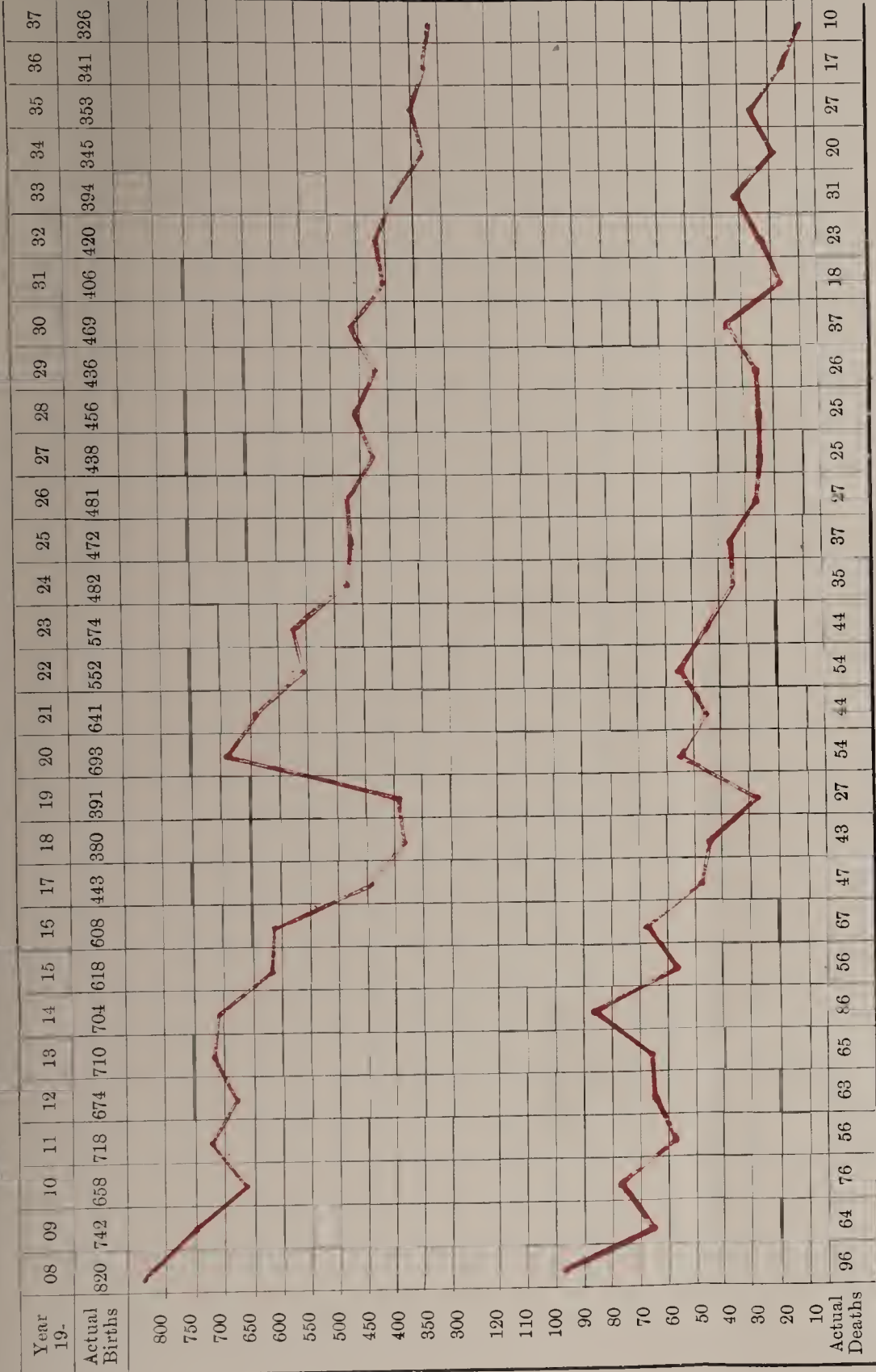
INFANTILE MORTALITY RATES ACCORDING TO VARIOUS CAUSES OF
DEATH.

Cause of Death.	No. of Deaths.	Rate per 1,000 Births.
Congenital Defects	5	15
Pneumonia	1	3
Meningitis	1	3
Convulsions	1	3
Other causes	2	6

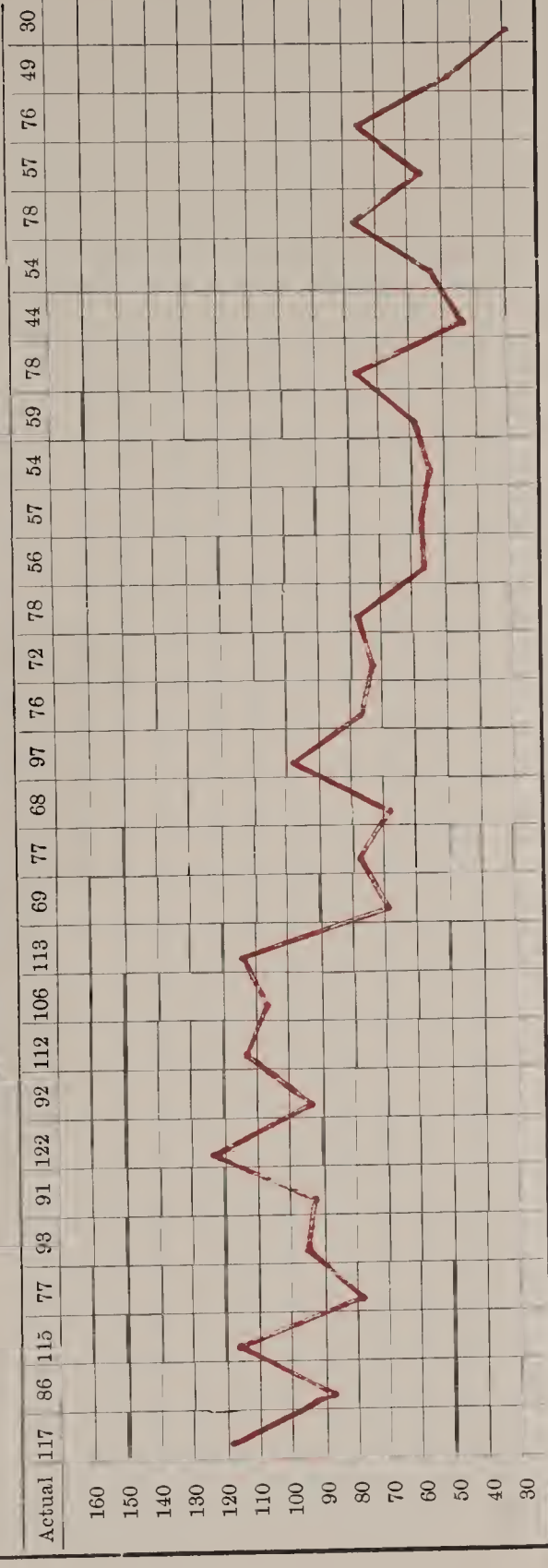
INFANTILE MORTALITY DURING THE YEAR 1937. Nett Deaths from stated causes at various ages under One Year.

CAUSES OF DEATH.	Under 1 day	1 and under 2 days	2 and under 3 days	3 and under 4 days	4 and under 5 days	5 and under 6 days	6 and under 7 days	Total under 1 week	1 and under 2 wks.	2 and under 3 wks.	3 and under 4 wks.	Total under 4 wks.	1 and under 3 mths	3 and under 6 mths	6 and under 9 mths	9 and under 12 mths	Total under 1 year
ALL CAUSES.	...	1	1	1	...	...	1	4	...	...	...	4	1	3	1	1	10
Smallpox
Chickenpox
Measles
Scarlet Fever
Whooping Cough
Diphtheria and Croup
Erysipelas
Tubercular Meningitis
Abdominal Tuberculosis
Other Tuberculous Diseases
Meningitis (not Tuberculous)	1	1
Convulsions	1	...	...	...	...
Influenza
Bronchitis
Pneumonia (all forms)	1	...	...	1
Diarrhoea
Enteritis
Gastritis
Syphilis
Rickets
Suffocation
Injury at Birth	1	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1
Atelectasis	1	...	...	...	...	2	...	...	...	2	...	...	1	...	2
Congenital Malformations	1	1	...	...	...	1	...	...	...	...	2
Premature Birth
Atrophy, Debility, Marasmus
Other Causes	2	...	...	2
Totals	1	1	1	...	...	1	4	...	...	...	4	1	3	1	1	10

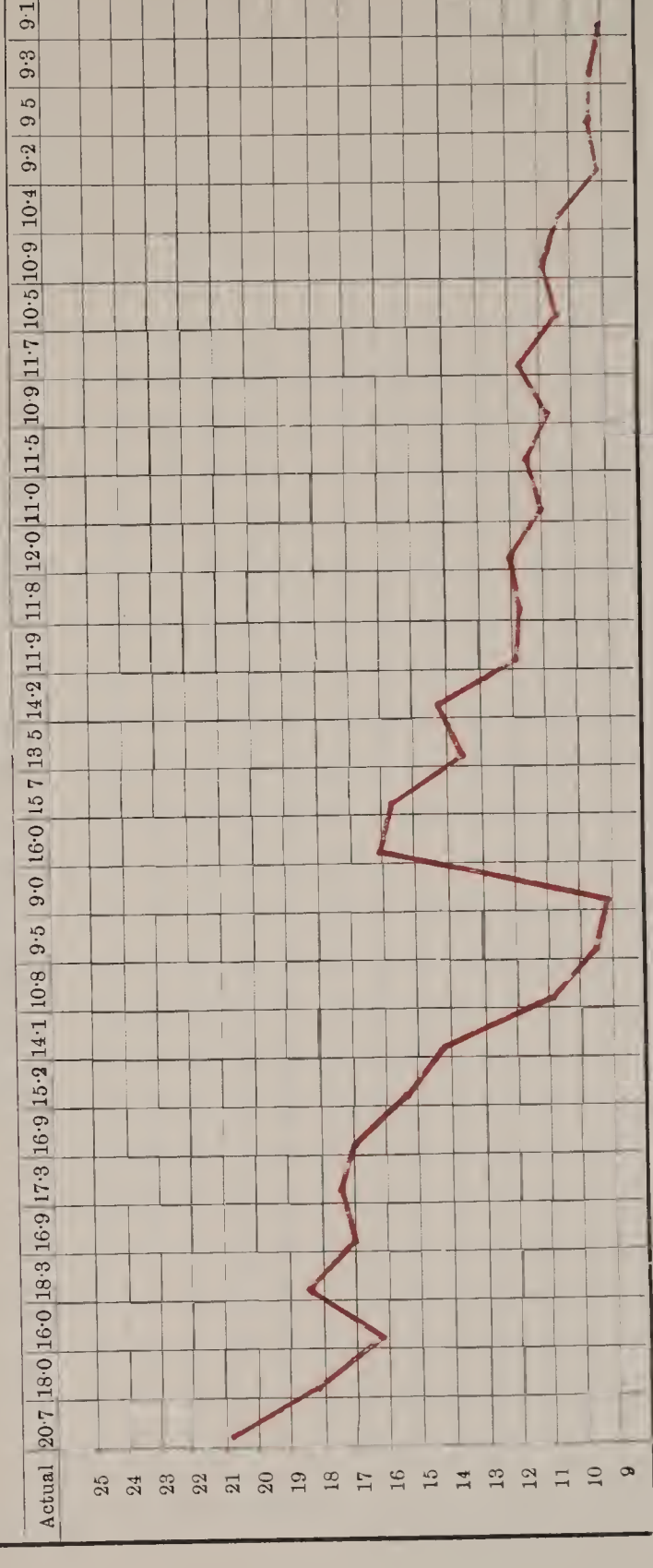
Actual Number of Births and Infant Deaths per year from 1908



Infantile Death Rate per 1000 Births



Birth Rate per 1000 Population



BIRTHS AND DEATHS CLASSIFIED IN WARDS.
(NOTIFIED BIRTHS).

Ward	Live Births Notified	Deaths Registered	Infantile Deaths Registered	Infantile Mortality Rate
Bradley	38	81	3	79
Central	25	37	1	40
Clover Hill	29	70	1	34
Marsden.....	29	47	1	34
Netherfield.....	47	60	2	42
Southfield	33	56	1	30
Walverden	52	66	...	...
Whitefield	26	72	1	38
Total.....	279	489	10	35

BIRTH AND DEATH RATES IN NELSON FOR THE LAST TEN YEARS.
(Per 1,000 of population).

Year	Birth Rate	Crude Death Rate	Zymotic Death Rate	Infantile Death Rate per 1000 Births
1928	11.5	12.3	0.15	54
1929	10.9	14.1	0.22	59
1930	11.7	12.1	0.25	78
1931	10.5	13.0	0.16	44
1932	10.9	12.8	0.08	54
1933	10.4	14.2	0.21	78
1934	9.2	12.7	0.24	57
1935	9.5	12.4	0.19	76
1936	9.3	13.1	0.27	49
1937	9.1	13.7	0.02	30
Average for 10 years	10.30	13.04	0.17	58

The particulars for the year have been added to the appended diagram, showing continuously for the years 1908 to 1937 :—

- A.—The actual number of births year by year in Nelson.
- B.—The actual number of infant deaths year by year in Nelson.
- C.—The actual Infantile Death Rate per 1,000 births.
- D.—The Birth Rate per 1,000 of population.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1937 AND PREVIOUS YEARS.

Year	Population estimated to middle of each year	Live Births			Total Deaths Registered in the District		Transferable Deaths		Nett Deaths belonging to the District			
		Un-corrected Number (notified)	Nett (Registered)		Number	Rate	Of Non-residents registered in the District	Of Residents not registered in the District	Under 1 year of age		At all ages	
			Number	Rate					Number	Rate per 1000 Births	Number	Crude Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1928	39560	472	456	11.5	417	10.5	10	81	25	54	488	12.3
1929	39760	446	436	10.9	470	11.8	12	104	26	59	562	14.1
1930	39760	479	469	11.7	405	10.1	10	88	37	78	483	12.1
1931	38640	415	406	10.5	413	10.7	10	103	18	44	506	13.0
1932	38230	418	420	10.9	405	10.6	10	95	23	54	490	12.8
1933	37710	394	394	10.4	462	12.3	23	97	31	78	536	14.2
1934	37360	338	345	9.2	401	10.7	17	92	20	57	476	12.7
1935	37090	334	353	9.5	368	9.9	13	105	27	76	460	12.4
1936	36500	325	341	9.3	401	10.9	21	100	17	49	480	13.1
1937	35670	297	326	9.1	395	11.0	12	108	10	30	491	13.7

BIRTH RATES, DEATH RATES, AND ANALYSIS OF MORTALITY IN THE YEAR 1937.
(England and Wales, London, 125 County Boroughs and Great Towns, and 148 Smaller Towns).

(Provisional figures. Based on Weekly and Quarterly Returns).

	Rate per 1000 Population		Annual Death-Rate per 1,000 Population								Rate per 1,000 Live Births		Increase or Decrease on Rates for 1936				
			All Causes	Typhoid and Paratyphoid Fevers	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Violence	Diarrhoea and Enteritis (under Two years). Total Deaths under One Year.	Birth Rate		Crude Death Rate	Infantile M'rt'ly Rate	
	Live Births	Still-Births															
													Live Births	Still-Births			
England and Wales	14.9	0.60	12.4	0.00	..	0.02	0.01	0.04	0.07	0.45	0.54	5.8	58	+0.1	- 0.01	+0.3	- 1
125 County Boroughs and Great Towns, including London.....	14.9	0.67	12.5	0.01	...	0.03	0.01	0.04	0.08	0.39	0.45	7.9	62	No change	No change	+0.2	- 1
148 Smaller Towns (Estimated Resident Populations 25,000 to 50,000 at Census 1931)	15.3	0.64	11.9	0.00	...	0.02	0.01	0.03	0.05	0.42	0.42	3.2	55	+0.3	No change	+0.4	No change
London Administrative County.....	13.3	0.54	12.3	0.00	...	0.01	0.01	0.06	0.05	0.38	0.51	12.0	60	-0.3	+0.01	-0.2	- 6
Nelson	9.1	0.47	13.7	0.00	...	0.00	0.00	0.02	0.00	0.42	0.84	0.0	30	-0.2	-0.16	+0.6	-19

III.—GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Hospital Accommodation :—

- (a) Smallpox, Scarlet Fever, and Other Diseases.

When the scheme is in operation whereby Nelson becomes a member of the Burnley Joint Hospital Board, the present Infectious Diseases Hospital at Nelson will be administered by that Authority.

Patients are not required to contribute towards the cost of treatment.

- (b) Maternity cases, 10 beds, situated at Fern Lea, and provided by the Council.

No hospital accommodation is provided for

- (a) Tuberculosis.

- (b) Children.

The Public Assistance Institution for the district is the Municipal Hospital, Burnley.

AMBULANCE FACILITIES.

Two motor ambulances are provided by the Local Authority and are kept at the Fire Station. These are available for use in cases of accidents and other non-infectious cases, including maternity cases, requiring removal to or from Hospital. Arrangements for use are made through the Superintendent of the Fire Brigade, who has charge of this service.

For infectious cases there is a motor ambulance under the control of the Public Health Department.

CLINIC AND TREATMENT CENTRES.

The following is a list of the Clinic and Treatment Centres available to Nelson residents.

- | | |
|---|---|
| (a) Maternity and Child Welfare Centre. | Provided by the Local Authority and situated in Carr Road. A weekly session is held on Wednesday afternoon. |
| (b) School Clinic. | Provided by the Local Authority, situated in Carr Road, and open daily. |

- | | |
|--|--|
| (c) Orthopædic Clinic. | Provided co-jointly by the Local Authority and the County Council. Weekly session held at the School Clinic on Friday. |
| (d) Artificial Light Clinic. | Provided by the County Council in conjunction with their provision for tubercular patients, and situated at the Tuberculosis Dispensary. |
| (e) Tuberculosis
Dispensary. | Provided by the County Council and situated at 64, Carr Road. |
| (f) Venereal Diseases
Treatment Centre. | Provided by the County Council and situated at the Victoria Hospital, Burnley. |

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

The staff of the Public Health Department consists of (a) the Medical Officer of Health, who is also School Medical Officer and has charge of the Infectious Diseases Hospitals, (b) a Chief Sanitary Inspector, (c) two Assistant Sanitary Inspectors, one of whom acts as Chief Clerk, (d) General Clerk, (e) a supervisor for the purposes of overcrowding and the keeping of house records in connection therewith, (f) two whole-time Health Visitors and one part-time Health Visitor, in the latter case part time is devoted to work in connection with the School Medical Service, (g) Matron of the Maternity Home, the staff thereat being under her control, and (h) a part-time Veterinary Inspector who has made examination of all dairy herds and farm premises within the Borough.

THE NURSING HOMES REGISTRATION ACT, 1927.

There are no premises within the Borough that are registered under the above Act.

PROFESSIONAL NURSING IN THE HOME.

An annual contribution is paid to the District Nursing Association, and an agreement with them provides nursing assistance to be rendered in certain cases of Measles, Ophthalmia Neonatorum, and Puerperal Pyrexia. The arrangements for nursing assistance have to be made through the Medical Officer of Health, following a request by the medical practitioner in attendance, and a fee is paid to the Nursing Association according to the number of visits made.

No application for Nursing assistance has been made during the year. The association supply three District Nurses, but no midwifery or monthly nursing is undertaken. No co-ordination exists between the Nursing Association and the Local Authority in respect of Maternity and Child Welfare duties.

The Local Authority contribute annually to Reedyford Hospital, Nelson, and also to the Manchester Hospitals, including the Royal Infirmary, St. Mary's, the Royal Eye Hospital and the Royal Children's Hospital.

MILK, ETC., FOR EXPECTANT MOTHERS AND INFANTS.

A scheme is in operation for the provision of milk in necessitous cases both for ante-natal mothers and infants, whilst Ostermilk and Almata are sold at nett cost price. Cod Liver Oil Emulsion and Lactogol are also sold.

The following figures give an indication of the amount of milk supplied free during the year.

Number in receipt of Free Milk, 1st January, 1937	67
" " " " 31st December, 1937	90
" " " " during year	153
Daily supply of milk at 1st January, 1937	67 pints
" " " 31st December, 1937	100 pints

LEGISLATION IN FORCE.

A list of the local and adopted Sanitary Acts administered by the Council is given on page 4.

WATER SUPPLY.

This is derived from two gathering grounds, one 4 miles distant on the east side of the town, supplying Coldwell Reservoir and one 4 miles distant on the west side of the town, supplying Ogden Reservoir.

Lower Coldwell Reservoir: — Altitude 943 feet; capacity 80,000,000 gallons; Filtration: — 4 " Bell " Pressure Filters. Upper Coldwell Reservoir: — Altitude 990 feet; capacity 43,500,000 gallons. Nature of water, good, very slightly hard.

Ogden Reservoirs: — No. 1, Altitude 989 feet; capacity 54,500,000 gallons. No. 3, Altitude 837 feet; capacity 157,500,000 gallons; filtration, 12 " Bell " Vertical Pressure Filters, and two " Paterson " Horizontal Pressure Filters, followed by Chloramine treatment. Nature of water, good, soft.

Ridgaling Service Reservoir :—Altitude 755 feet; capacity 5,000,000 gallons.

Waidshouse Service Reservoir :—Altitude 718 feet; capacity 2,000,000 gallons.

The total storage capacity of the Reservoirs is approximately 160 days' supply.

Average daily consumption, 2,285,206 gallons, which includes Compensation water discharge from Lower Coldwell Reservoir. Daily consumption per head of population in area of supply, 40.01 gallons. At the Barley Filter House a modern Chloramine plant has been installed which injects Chlorine and Ammonia gases into the water in very minute doses; this provides an additional safeguard in that harmful Bacteria which pass through the Filters are rendered innocuous. At the Coldwell Filterhouse, a temporary Chlorine Gas Injection plant has been in operation, but it is anticipated that during the coming year a permanent installation on the lines of that at Barley will be a feature of the treatment.

During the past year the Water Department has carried forward the schemes of replacing old joint service pipes, which are proving inadequate for present demands, by means of new mains with separate service pipes to each house. Altogether since the commencement of this scheme ten years ago 383 rows of houses have been so treated; every house dealt with under this scheme now has a satisfactory water supply.

There has been no curtailment of the supply during 1937.

At the 31st December, 1937, none of the reservoirs were full and the amount in storage was :—

At Ogden 95,595,000 gallons

At Coldwell 83,224,000 gallons

Total 178,819,000 gallons

which represents a normal supply of 78.25 days.

RIVERS AND STREAMS.

The provisions of the Rivers Pollution Acts are administered by the Ribble Joint Committee.

DRAINAGE AND SEWERAGE.

Nature of drainage of district, water carriage; situation of Sewage Works, Linedred; mode of delivery of sewage at Works, high level gravitating sewer. (Sewage from low-lying district of Lomeshaye is carried by a low-level sewer which is emptied into the high level sewer by means of automatic ejectors at the Works).

Treatment	Biological
Dry weather flow	1,750,000 gallons per day
Detritus tanks, total capacity	44,754 gallons
Storm tanks, total capacity	448,319 gallons
Percolating Filters, total capacity	25,831 cubic yards
Sedimentation tanks, total capacity	1,036,888 gallons
Humus tanks, total capacity	1,263,000 gallons

No area is without a drainage system. Drain-testing, flushing, etc., is carried out by the Corporation staff when necessary.

CLOSET ACCOMMODATION.

No. of Privy Middens (in town)	1
No. of Pail Closets	46
No. of Fresh Water Closets	4,564
No. of Waste Water Closets	8,146
No. of Dry Ashpits, excluding Middens	158
No. of Portable Receptacles for Refuse	12,156

Conversions during the year :—

No. of Privies or Privy Middens (on outskirts of town)	
converted to Fresh Water Closets	Nil
No. of Pail Closets to Fresh Water Closets	Nil
No. of Waste Water Closets to Fresh Water Closets	33
No. of Houses at which Portable Ashbins have been	
substituted for Ashpits	142

In all new property Fresh Water Closet accommodation and Portable Ashbins are now being provided.

CLEANSING AND SCAVENGING.

The removal and disposal of house and shop refuse, and street scavenging is carried out by the Cleansing Department

under the control of the Director of Public Cleansing, who has kindly supplied me with the following particulars relative to the work of the Department.

Street scavenging is carried out by Motor sweepers, which combine both sweeping and picking up the refuse. There are a few orderlies also engaged for the collection of paper, etc., from the footpaths, whilst a vacuum gully cleanser is used for emptying the street gullies.

All house refuse is incinerated after having the cinders, fine dust and unburnable material extracted therefrom. No crude refuse is tipped. The clinkers from the furnaces, the fine dust, pots and glass are all disposed of at the Reedyford Tip.

Trade refuse of all descriptions is fed by hand direct on to the conveyor belt leading to two furnaces, which are capable of burning some 35 tons per day of eight hours. The plant does not function at night or week-ends.

Weight of refuse received for disposal	(tons)	8,923
„ „ refuse collected by own vehicles	„	8,252
„ „ ashpit refuse removed	„	308
„ „ ashbin refuse removed	„	6,228
„ „ trade refuse removed	„	1,288
„ „ garbage removed	„	428
No. of 10,000 sq. yards of streets swept (machines)		4,563
„ gullies cleansed by Mechanical Gully Cleanser ...		22,727
„ loads of street sweepings collected (machines)		867
„ loads of snow collected (approx.)		449
„ applications received for opening drains, etc.		563

SANITARY INSPECTIONS DURING 1937.

A summary of the work carried out under this heading is as follows:—

No. of complaints of nuisances received and investigated	106
„ premises in general inspected	1,545
„ „ „ re-inspected	150
„ „ visited	231
„ inspections—Stables	38
„ „ Licensed Premises	26
„ „ Offensive Trades	Nil

No. of inspections—Slaughter Houses	981
„ „ Bakehouses	144
„ „ Re Water Supply	5
„ „ Meat Stalls	149
„ „ Workshops	110
„ „ Factories	32
„ „ Dairies and Cowsheds	126
„ „ Housing	253
„ visits—infectious diseases and contacts	72
„ structural defects found	73
„ drainage defects found	26
„ lack of cleanliness found	27
„ offensive accumulations found	12
„ defective waste-pipes found	15
„ defective waste water closets	15
„ defective water closets	13
„ defective drains found	19
„ defective ashpits found	Nil
„ Verbal Notices given	111
„ Informal Notices sent	40
„ Informal and Verbal Notices complied with	147
„ Legal Notices sent	6
„ Legal Notices complied with	6
„ Legal proceedings	Nil
„ Smoke observations	144
„ insufficient W.C. accommodation	Nil

SMOKE OBSERVATIONS.

Number of Smoke Observations taken during the year ...	144
Number of chimneys concerned	36
Time limit	5 minutes in 30 minutes
Number of times limit has been exceeded	1
Legal Proceedings	Nil

The total time the chimneys were under observation was 72 hours, and during this period the total amount of smoke emitted was :—

Black Smoke.			Moderate Smoke.			Light Smoke.			Clear.		
hrs.	min.	secs.	hrs.	min.	secs.	hrs.	min.	secs.	hrs.	min.	secs.
0	59	45	7	3	45	22	48	15	41	8	15

The average time per observation was 30 minutes, and the average result per observation — Black Smoke 0.42 minutes, Moderate Smoke 2.94 minutes, Light Smoke 9.50 minutes, Clear 17.14 minutes.

An average hour's observation, for comparison with the average hour's observation for each year from 1928 is as follows:—

		Black Smoke. Minutes.	Moderate Smoke. Minutes.	Light Smoke. Minutes.	Clear. Minutes.
1928	.....	1.2	11.0	31.6	16.2
1929	.....	0.6	6.2	35.8	17.4
1930	.....	0.7	7.6	39.6	12.1
1931	.....	0.5	5.6	36.8	17.1
1932	.....	1.8	4.2	22.2	31.8
1933	.....	0.1	4.7	35.6	19.6
1934	.....	0.2	3.8	16.2	39.8
1935	.....	0.2	3.6	15.6	40.6
1936	.....	1.1	7.0	20.9	31.0
1937	.....	0.8	5.9	19.0	34.3

OFFENSIVE TRADES.

No. of offensive trades in Borough	Total	Nil
Tripe Boilers		Nil
No. of Complaints of nuisances arising from same		Nil
No. of inspections		Nil
No. of defects or nuisances found		Nil

WORKSHOPS AND WORKPLACES.

Condition of Workshops and Workplaces	Fair
Returns under the Factories and Workshops Act, 1901.	

A.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.

Premises.	Number of inspections.	Number of written notices.	Number of prosecutions.
Factories (including Factory Laundries)	32	1	—
Workshops (including Work- shop Laundries)	254	2	—
Workplaces, other than out- workers' premises	1	—	—
Total	287	3	—

B.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

Particulars	Number of Defects :			Number of Prosecutions
	Found	Rem- edied	Referred to H.M.I.	
Nuisances under Public Health Acts :				
Want of Cleanliness .....	...	...	...	...
,, Ventilation .....	...	...	...	...
Overcrowding .....	...	...	...	...
Want of drainage of floors ..	...	...	...	...
Other Nuisances	5	5	...	...
Sanitary Accommodation	Insufficient ...	...	...	...
	Unsuitable or defective.....	6	6	...
	Not separate for sexes .....	...	...	...
Offences under the Factory and Workshops Act :				
Illegal occupation of underground Bakehouse .....	...	...	...	...
Other Offences	8	8	...	...
Total.....	19	19	...	..

C.—HOME WORK.

Nature of Work	Outworkers' Lists.			Section 107.	
	Lists received from Employers.				
	Twice Yearly			Once yearly.	
	Lists	Outworkers.		Lists	Outworkers
		contracts	workmen		
Making Wearing Apparel	Nil.	Nil.	Nil.	Nil.	Nil.

D.—REGISTERED WORKSHOPS.

(Workshops on the Register at the end of the year).

Trades	Ordinary	Domestic	Men's	Total
Bakehouses	60	54	9	123
Tailors	3	1	1	5
Dressmakers	7	8	...	15
Milliners	6	3	...	9
Shoe and Clog Makers .....	...	8	21	29
General	9	7	8	24
Totals	85	81	39	205

E.—OTHER MATTERS.

CLASS	Number
Failure to affix Abstract notified to H.M. Inspector	None
Matters notified by H.M. Inspector.....	1
Reports of action sent to H.M. Inspector	None
Other	None
Underground Bakehouses in use at end of year	None

COMMON LODGING HOUSES.

There is no Common Lodging House in the Borough.

SCHOOLS.

The Sanitary condition of the Schools in the Borough on the whole remains satisfactory. All are supplied with town's water. No closure of a School has been necessary during the year.

Number of Schools in Borough—Secondary	1
Senior	4
Junior Mixed	6
R.C. Mixed	3
Infants	10
Open Air	1

CANAL BOATS ACT.

The Council are exempt from the administration of the Canal Boats Act, owing to the short length of canal within the Boundaries.

IV.—HOUSING.

HOUSING STATISTICS FOR THE YEAR 1937.

Number of new houses erected during the year :—

(a) Total [including numbers given separately under (b)]	74
1. By the Local Authority	66
2. By other Local Authorities	Nil
3. By other bodies or persons	8
(b) With State assistance under the Housing Acts :	
1. By the Local Authority (Aged Persons Houses)	Nil
2. By other bodies or persons	Nil

1. Inspection of dwelling houses during the year :	
(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	295
(b) Number of inspections made for the purpose ...	362
(2) (a) Number of dwelling houses (included under sub-heading (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	93
(b) Number of inspections made for the purpose ...	184
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	42
(4) Number of dwelling houses (exclusive of those referred to under the previous sub-heading) found not to be in all respects fit for human habitation ...	51
2. Remedy of defects during the year without service of formal notices :	
Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers	44
3. Action under statutory powers during the year :	
A. Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936—	
1. Number of dwelling houses in respect of which notices were served requiring defects to be remedied	1
2. Number of dwelling houses which were rendered fit after service of formal notices—	
(a) By owners	1
(b) By Local Authority in default of owners	Nil
B. Proceedings under Public Health Acts—	
1. Number of dwelling houses in respect of which notices were served requiring defects to be remedied	1
2. Number of dwelling houses in which defects were remedied after service of formal notices—	
(a) By owners	1
(b) By Local Authority in default of owners ...	Nil
C. Proceedings under Sections 11 and 13 of the Housing Act, 1936—	

1. Number of dwelling houses in respect of which demolition orders were made	31
2. Number of dwelling houses demolished in pursuance of demolition orders	31
D. Proceedings under Section 12 of the Housing Act, 1936—	
1. Number of separate tenements or underground rooms in respect of which closing orders were made	Nil
2. Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit	Nil

The following list, kindly supplied by the Borough Surveyor, shows the number of houses erected by the Local Authority under their Housing Schemes.

Sheridan Street Site	13	houses
St. Paul's Road Site	108	„
Lynthorpe Road Site	50	„
Marsden Scheme B	100	„
„ „ C	19	„
„ „ D	50	„
„ „ E	70	„
„ „ F	100	„
„ „ H	50	„
„ „ J	44	„
Hodge House Scheme G	100	„
„ „ K	50	„
„ „ L	44	„
„ „ N	56	„
„ „ N (Extensions A&B)	40	„
„ „ M	38	„
„ „ O	44	„
Lee Bank Estate, Scheme P	23	„
Block Hall, Scheme Q	20	„
Pinder Street, Scheme R	35	„
Lomeshaye Scheme	15	„
Hodge House Scheme T., U. & V.	66	„
Total completed		1135 „

HOUSING CONDITIONS.

According to the Rate Books, there were 11,578 inhabited houses in the Borough at the 31st December, 1937. Based on the estimated population for the year, the average number of occupants per house is 3.08 persons.

There does not appear to be any shortage of houses, as from the particulars obtained from the overcrowding statistics there appears to be approximately 420 empty houses in the town at the end of the year.

On the whole the housing conditions in the town are good, the majority of the houses are well constructed and of a good working class type.

Action taken under the Housing Act, 1936, during the year comprises—

(a) Demolition Orders were made in respect of 31 houses in regard to which Clearance Orders had been made during the previous year.

(b) Inspection and report was made of 34 houses situated in 7 small areas, and a Ministry of Health inquiry resulted in Clearance Orders being confirmed for these properties.

(c) One small area comprising 3 houses was closed voluntarily and the premises utilized for purposes other than habitation.

(d) A further area of 8 houses was dealt with, 6 houses being re-conditioned and 2 demolished voluntarily.

There are no tent dwellers in the area, nor have we any houses let in lodgings registered as such. There are a few isolated caravan dwellers, but these are on the extreme outskirts of the town.

OVERCROWDING.

At the end of 1936 there still remained 11 cases of overcrowding to be dealt with, 6 of these being found at the enumeration, and 5 after the enumeration. The latter 5 having been brought about by the removal of families or the fact of children attaining the age of 10 years and thus being counted as one unit.

During 1937, a further 9 cases were found, making a total of 20 cases to be dealt with, but at the end of the year it was found that 16 of these had been abated, leaving only 4 cases yet to be dealt with.

The following table shows particulars of these cases :—

TABLE SHOWING PARTICULARS RE CASES OF OVERCROWDING DURING 1937.

CASES TO BE DEALT WITH AT THE END OF 1936.										NEW CASES FOUND DURING 1937					Grand Total
Found at Enum.			Found after Enum. but during 1936.			Total All Groups	Found by Local Authority.			Notified to Local Authority.			Total All Groups		
C.P.	O.O.	T	C.P.	O.O.	T.		C.P.	O.O.	T.	C.P.	O.O.	T.			
3	1	2	...	1	4	11	1	1	7	...	...	...	9	Total cases of Overcrowding during 1937. Cases abated during 1937. Cases to be dealt with at end of 1937.
2	...	1	...	1	4	8	1	1	6	...	...	...	8	
1	1	1	...	...	...	3	...	...	1	...	...	...	1	
<u>ANALYSIS OF ABATED CASES.</u>															
1	1	1	...	...	...	...	...	1	Re-housed by Corporation.	
1	1	...	...	...	...	...	...	...	Re-housed under Clearance Scheme by Corporation.	
...	...	1	...	...	...	1	...	...	...	...	...	...	...	Abated conditionally.
...	1	...	1	...	...	...	...	...	...	...	Death in family.	
...	2	2	...	...	2	...	...	...	2	Removed voluntarily to larger premises.	
...	2	2	...	1	2	...	...	...	3	Removal of member of family.	
...	1	...	...	...	1	Increased habitable accommodation.	
...	1	...	...	...	1	Removal of lodgers.	
2	...	1	...	1	4	8	1	1	6	...	...	...	8	Total cases abated.

C.P.—In Corporation Property. O.O.—In Owner Occupied Property. T.—In Tenanted Property.

As an explanation of the number shown to be abated by "removal of members of family," these are cases where sons or daughters have been married and left home, or cases where married sons or daughters have been continuing to live at the home of one of their parents and thereby caused the premises to be overcrowded, but after interview have found other accommodation.

Records of the occupation of houses are amended as far as is practicable from information available at the office. This information comprises records of removals in the town, notification of births and the Registrar's returns of deaths.

Some indication of the changes of occupation that occur is shown by the fact that during 1937 approximately 2,850 removals took place, this being an average of 55 per week.

An analysis of these removals is shown as follows:—

REMOVALS, 1937.

Total No. of Removals dealt with	2,850
Total No. of Removals into town	472 or 16.6%
Total No. of Removals out of town	497 or 17.4%
Total No. of Removals within the town	1,881 or 66.0%

V.—INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY.

At the end of the year the number of cowkeepers, dairy-men, etc., on the register was as follows:—

Cowkeepers not selling milk in Nelson	3
Cowkeepers, milk sold wholesale	4
Cowkeepers and Purveyors of milk (resident)	21
Cowkeepers and Purveyors of milk (non-resident)	42
Milk Purveyors only	18
Shopkeepers selling new milk	35

There is only one farm within the Borough at which designated milk is produced, in this case the milk being accredited. There are premises within the immediate vicinity at which either Certified T.T. or Accredited Milk is produced, and this is retailed within the Borough. Pasteurised Milk is also retailed within the Borough, but there are no pasteurising plants in Nelson.

Routine examination of the milk supply is carried out throughout the year, samples of milk being tested at our own Public Health Laboratory.

EXAMINATION OF MILK.

The following figures show the results obtained from tests carried out on informal samples of milk which have been purchased for examination during the year.

No. of samples purchased for examination	272
--	-----

MILK FAT.

No. of samples tested	272
No. found of genuine quality	271
No. found below standard quality	1
Average amount of milk fat per sample	3.48%

SOLIDS.

No. of samples tested	272
No. found of standard quality	272
Average amount of total solids per sample	12.16%
Average amount of solids not fat per sample	8.18%

VISIBLE CLEANLINESS.

No. of samples tested	272
No. found unsatisfactory	2

COLIFORM BACILLI.

No. of samples tested	272
No. showing coliform Bacilli present in .01 c.c.	86
Percentage of samples with coliform bacilli present ...	31.62%

BACTERIAL COUNT.

No. of samples tested	272
No. of samples with less than 10,000 bacteria per c.c.	43
do. over 10,000 but less than 50,000 per c.c. ...	147
do. 50,000 do. 100,000 do. ...	43
do. 100,000 do. 200,000 do. ...	21
do. 200,000 do. 300,000 do. ...	7
do. 300,000 do. 400,000 do. ...	2
do. 400,000 do. 500,000 do. ...	2
do. 500,000 do. 600,000 do. ...	2
do. 1,000,000 do. 2,000,000 do. ...	2
do. 5,000,000 bacteria per c.c.	3

TUBERCLE BACILLI.

No. of samples tested	31
No. found positive	6

METHYLENE BLUE REDUCTION TEST.

No. of samples tested	272
No. in which Methylene Blue reduced in 2 hours	6
do. do. under 4½ hrs. but over 2 hrs. ...	12
do. do. under 5½ hrs. but over 4 hrs. ...	16
do. do. was not reduced in 5½ hours	238

COMBINED RESULT METHYLENE BLUE TEST AND
BACTERIOLOGICAL TEST.

A.—DESIGNATED MILK.

	No. of bacteria per c.c.	Coliform bacilli	
		absent in .01 c.c.	present in .01 c.c.
Methylene Blue not reduced in 5½ hours.	Under 10,000	16	—
	Over 10,000 but under 50,000	10	—
	„ 150,000 „ „ 200,000	—	—

B.—NON-DESIGNATED MILK.

	No. of bacteria per c.c.	Coliform bacilli	
		absent in .01 c.c.	present in .01 c.c.
Methylene Blue reduced under 2 hours.	Over 500,000 but under 600,000	—	1
	„ 1,000,000 „ „ 2,000,000	1	1
	„ 5,000,000 „ „ 6,000,000	—	3
Methylene Blue reduced in 4½ hours but not in 2 hours.	Over 50,000 but under 100,000	—	1
	„ 100,000 „ „ 150,000	—	2
	„ 150,000 „ „ 200,000	1	—
	„ 200,000 „ „ 300,000	1	2
	„ 300,000 „ „ 400,000	1	—
	„ 400,000 „ „ 500,000	—	2
	„ 500,000 „ „ 600,000	—	1
	„ 1,000,000	—	1
Methylene Blue reduced in 5½ hours but not in 4½ hours.	Over 10,000 but under 50,000	1	1
	„ 50,000 „ „ 100,000	3	—
	„ 100,000 „ „ 150,000	—	5
	„ 150,000 „ „ 200,000	—	2
	„ 200,000 „ „ 300,000	—	3
	„ 300,000 „ „ 400,000	—	1
Methylene Blue not reduced in 5½ hours.	Under 10,000	25	2
	Over 10,000 but under 50,000	105	32
	„ 50,000 „ „ 100,000	18	19
	„ 100,000 „ „ 150,000	3	4
	„ 150,000 „ „ 200,000	1	2

Under the Food and Drugs Acts, 28 samples of milk have been taken by the County Police Authorities. Superintendent Pickering reports that all the samples were genuine.

Routine examination of the farm premises and a veterinary inspection of the dairy herds is made by the Veterinary Inspector, who submits the following condensed report on his inspections for the year.

REPORT OF THE VETERINARY INSPECTOR FOR THE
BOROUGH OF NELSON.

31st December, 1937.

During the year I have examined all the cowsheds and cattle on farms within the Borough of Nelson.

I find 737 bovine animals, of which 489 are cows in milk, and the remainder are cows not in milk and young cattle. Thirteen cows have one deficient teat, one has two teats not useful, but there is no milk or discharge from any of these teats.

The Ministry of Agriculture have deemed it prudent, at this juncture—at last—to follow the example of Nelson, and are about to install throughout the country properly qualified inspectors to make periodical inspection of premises and cattle used for dairy purposes, and thereby to obtain a yet better safeguard of the public health.

The farming community ought also to grasp with both the opportunity of obtaining lime at half-price, as this district has been much neglected for the sweetening effects of it, during the past fifty years.

There is yet more need for progress in the housing of cattle and a sounder idea of how to make the poor cow comfortable, many of the innovations are in policy unsound.

The number of cattle destroyed in 1937 is twelve, all of which we have inspected post-mortem and found unfit for food or milk production.

JOHN BARKER, M.R.C.V.S.,
Veterinary Inspector.

TUBERCULOSIS ORDER.

No. of animals death with during the year	12
,, cows in milk	10
,, other bovine animals	2
,, animals which on post-mortem examination were found to have suffered from advanced Tuberculosis under the Order	11
,, animals found to have suffered from Tuberculosis, but not advanced	1
,, animals which on post-mortem examination were found not to have suffered from Tuberculosis	Nil
Total amount of compensation paid in respect of these 18 animals	£38-5-0

MEAT, &C.

Statement of Slaughterhouses:—

	In 1920.	In Jan., 1937.	In Dec., 1937.
No. Registered	1	1	1
No. Licensed	12	10	10
	—	—	—
Total	13	11	11

981 visits of inspection have been paid to the slaughterhouses during the year. So far as is possible these inspections coincide with the time at which slaughtering is taking place, thus facilitating inspection of the meat.

Regular inspection and supervision of the slaughterhouses is necessary to keep the premises in a more or less satisfactory condition and to maintain a reasonable standard of cleanliness. When the tenant of a slaughterhouse is also the owner, and there is no dual occupation, a reasonable standard is maintained, but the difficulties of maintaining this standard are increased in the case of dual occupations.

Under the Slaughter of Animals Act, 1933, it is compulsory, in Nelson, for all animals, including sheep, to be mechanically stunned as a preliminary to the slaughtering process.

Routine inspection is made of premises where food is prepared, and conditions found during the year have been satisfactory.

Meat stalls are also subject to routine inspection, both in regard to the condition of the stall and the quality of the meat sold.

The number of inspections carried out during the year was :—

Meat Stalls	149
Bakehouses, etc.	127

The following list shows the amount of food which has been condemned and surrendered as unfit for human consumption during 1937.

Tubercular carcasses and parts :—

5 bovine carcasses, 4 fore quarters and 1 hind quarter	36½ cwts.
38 pigs' heads and 12 pigs' plucks	474 lbs.
1 pig's carcase	93 lbs.
10 pairs bovine lungs.	

Diseased, unsound or unwholesome meat, other than above :—

1 bovine carcase	6¼ cwts.
7 bovine livers	71 lbs.
9 pigs' livers	55 lbs.
3 sheep's livers	11 lbs.
Beef	70 lbs.
Pork	37 lbs.
1 pair bovine lungs.	

Other foodstuffs :—

Cod fish	55¼ lbs.
Halibut	32 lbs.

Tinned goods :—

Tongue (6 lbs.)	1 tin
Salmon	2 tins

FOOD AND DRUGS ACT.

The various Acts included under this heading are administered by the County Police Authority for this area. Superintendent Pickering has kindly supplied me with the following particulars of samples taken by his officers during the year.

The samples are submitted to the County Council's Analyst for analysis.

Arrowroot	2
Butter	3
Lancashire Cheese	3
Pearl barley	3
Sugar	3
Lard	4
Rice	5
Tea	1
Coffee	3
White pepper	4
Tapioca	1
Olive Oil	2
Milk	28
Mustard	2
Boiled Sweets	3
Flour	1
Fruit salad	1
Oatmeal	1
Ground ginger	2
Baking powder	1
Blancmange powder	1

There has been no report of any suspected food poisoning during the year.

VI.—PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASE.

112 notifications have been received during the year under the Infectious Diseases Notification Act. This is a decrease of 116 on the number of notifications received in 1936, and is 95 less than the average for the last ten years.

Compared with 1936 the increase or decrease is as follows :—

	Decrease.	Increase.
Scarlet Fever	40	—
Diphtheria	69	—
Enteric Fever	—	—
Erysipelas	5	—
Encephalitis Lethargica	1	—
Cerebro-Spinal Meningitis	1	—
Pneumonia	—	4
Ophthalmia Neonatorum	—	1
Puerperal Pyrexia	4	—
Puerperal Fever	1	—
Pulmonary Tuberculosis	—	1
Non-pulmonary Tuberculosis	1	—

There appears to be no outstanding features from a study of the various analyses of the notifications. The majority of the cases being all more or less of a sporadic nature.

The following table shows the number of cases of each notifiable disease for the last 10 years (except where the notifications have been compulsory for less than that period) and the monthly and ward analysis during 1937.

Year	Smallpox	Scarlet Fever	Enteric Fever	Puerperal Fever	Puerperal Pyrexia	Diphtheria, incl'g Membranous Group	Erysipelas	Ophthalmia Neonatorum	Ac. Poliomyelitis	PolioEncephalitis	Enceph. Letharg.	Cerebro-Spinal Meningitis	Pneumonia	Malaria	Dysentery	Pulmonary Tuberculosis	Tuberculosis (other forms)	Chickenpox	Total
1928	19	34	3	...	3	11	9	6	...	...	4	...	38	..	..	32	14	62	235
1929	...	157	2	..	4	6	25	5	...	...	...	...	47	..	...	27	24	...	297
1930	...	36	...	2	2	13	20	3	...	...	3	...	19	...	...	32	14	...	144
1931	...	124	2	..	4	7	13	4	1	...	...	...	28	...	...	42	17	...	242
1932	...	69	1	1	3	7	7	2	...	3	...	...	31	...	...	28	22	...	174
1933	...	58	...	..	3	4	16	1	...	...	...	...	77	...	...	37	15	...	211
1934	...	165	...	...	1	15	12	1	...	...	1	1	37	...	...	19	23	...	275
1935	...	63	1	...	2	17	13	4	...	...	...	...	18	...	...	23	13	...	154
1936	...	63	...	1	4	94	14	1	...	...	2	1	17	...	...	15	16	...	228
1937	...	23	...	...	...	25	9	2	...	...	1	...	21	...	...	16	15	...	112
Av. for 10 yrs	1.9	79.2	0.9	.4	2.6	19.9	13.8	2.9	.1	.3	1.1	.2	33.3	...	...	27.1	17.3	...	207

You will note from this table that the total number of notifications received is the lowest for any year for the period over which the figures are submitted. This is due practically to the small number of cases of Scarlet Fever reported, the number 23 being considerably below the average for the previous 10 years.

MONTHLY INCIDENCE OF NOTIFIED DISEASES.

Disease	Jan.	Feb	Mar	Apl.	May	Jun.	July	Aug.	Sep.	Oct.	Nov	Dec.	Total
Scarlet Fever.....	1	1	1	2	2	5	5	1	1	1	3	...	23
Diphtheria.....	4	2	4	5	1	1	1	...	...	1	4	2	25
Puerperal Pyrexia	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	1	1	...	2	...	1	...	...	...	...	1	3	9
Pulmonary													
Tuberculosis	...	1	3	2	2	1	...	1	3	1	1	1	16
Non-Pulmonary													
Tuberculosis	1	...	1	...	3	1	1	1	3	1	...	3	15
Ophthalmia													
Neonatorum	...	...	...	1	1	...	...	...	...	...	...	...	2
Encephalitis													
Lethargica ..	...	...	1	...	...	...	...	...	...	...	...	...	1
Cerebro Spinal													
Meningitis...	..	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	5	6	1	...	3	...	...	...	1	...	4	1	21
Totals...	12	11	11	12	12	9	7	3	8	4	13	10	112

WARD ANALYSIS OF NOTIFICATIONS.

Disease	Bradley	Central	Clover Hill	Marsden	Netherfield	Southfield	Walverden	Whitefield	Total
Scarlet Fever	5	...	4	5	1	3	3	2	23
Diphtheria	6	3	6	1	1	2	3	3	25
Puerperal Pyrexia .....	...	...	...	...	...	...	...	...	...
Puerperal Fever .....	...	..	...	...	...	...	...	...	...
Erysipelas	1	...	2	...	...	1	3	2	9
Pulmonary Tuberculosis ...	...	3	2	1	1	4	3	2	16
Non-Pulmonary Tuberculosis ...	2	...	2	2	3	2	4	...	15
Ophthalmia Neonatorum	1	1	...	...	...	...	...	...	2
Encephalitis Lethargica.....	...	...	...	...	...	...	1	...	1
Cerebro Spinal Meningitis .....	...	...	...	...	...	...	...	...	...
Pneumonia	5	...	2	3	3	3	4	1	21
Total.....	20	7	18	12	9	15	21	10	112

COMPARISON OF CASE RATES FOR CERTAIN INFECTIOUS DISEASES
NOTIFIED DURING 1937.

	England and Wales	125 County Boroughs and Great Towns including London	148 Smaller Towns (resident populations 25,000 to 50,000 at 1931 census)	London Administrative County	Nelson
Notifications.	Rates per 1,000 of Population.				
Smallpox	0.00	—	0.00	—	0.00
Scarlet Fever	2.33	2.56	2.42	2.09	0.64
Diphtheria	1.49	1.81	1.38	1.93	0.70
Enteric Fever	0.05	0.06	0.04	0.05	0.00
Erysipelas	0.37	0.43	0.34	0.44	0.25
Pneumonia	1.36	1.58	1.20	1.18	0.58
	Rates per 1,000 Total Births.				
Puerperal Fever	13.93	17.59	11.52	{ 4.15	0.00
Puerperal Pyrexia					0.00

SMALLPOX.

No case of this disease has been reported during the year.

SCARLET FEVER.

Cases notified	23
Number of Deaths	Nil
Case mortality per cent.	Nil
Attack Rate per 1,000 of population	0.64
Death Rate per 1,000 of population	Nil
Cases removed to Hospital	4
Number of cases under school age	1
,, cases over school age	10
,, cases attending school	12
,, houses affected (1 with 2 cases, and 21 with 1 case)	22
Primary cases	22
Secondary cases	1
Return cases	Nil

DIPHTHERIA AND MEMBRANEOUS CROUP.

Cases Notified	25
Number of Deaths	Nil
Case Mortality per cent.	Nil
Attack rate per 1,000 of population	0.70
Death rate per 1,000 of population	Nil
Cases removed to Hospital	3
No. of Bulbs (8,000 units each) supplied free	77
No. of Swabs examined for diagnostic purposes	199
No. of cases under school age	1
,, cases over school age	7
,, cases attending school	17
,, houses affected (1 with 3 cases, 1 with 2 cases, 20 with 1 case)	22

A supply of antitoxin in Bulbs of 8,000 units is kept on hand at the Police Station, and is available for use by the medical practitioners at any time.

ENTERIC FEVER.

No. of cases notified	Nil
,, deaths	Nil
Case mortality per cent.	Nil
Attack rate per 1,000 of population	Nil
Death rate per 1,000 of population	Nil

ERYSIPELAS.

No. of cases notified	9
Attack rate per 1,000 of population	0.25
Facial affections	8
Affections on other parts of body	1

PNEUMONIA.

Total number of cases of Pneumonia notified	21
Influenzal Pneumonia	7
Primary Pneumonia	7
Lobar Pneumonia	7
No. of deaths (all forms)	14
Attack rate per 1,000 of population on cases notified	0.58
Death rate per 1,000 of population	0.39

OPHTHALMIA NEONATORUM.

Number of cases notified	2
Attack rate per 1,000 live births	6.1
Number of cases with vision impaired (slight)	1
Number of cases with vision not impaired	1
Number of cases receiving Hospital treatment	1
Number of cases receiving nursing assistance	—

PUERPERAL PYREXIA.

Number of cases notified	Nil
Number of deaths	Nil
Attack rate per 1,000 live births	Nil
Attack rate per 1,000 total births	Nil
Number of cases in which services of Consultant were requested	Nil
Number of cases receiving Hospital treatment	Nil

PUERPERAL FEVER.

Number of cases notified	Nil
Number of deaths	Nil
Attack rate per 1,000 live births	Nil
Attack rate per 1,000 total births	Nil
Number of cases in which services of Consultant were requested	Nil
Number of cases receiving Hospital treatment	Nil

OTHER DISEASES.

Indication of the prevalence or otherwise of the non-notifiable infectious cases is shown by the reports of the Health Visitors, the returns of medical inspections and reports from the School Medical Service Department.

Sporadic cases of Measles, German Measles, Chickenpox, Mumps and Whooping Cough have occurred, but there has been no general infection of these diseases during the year. Small isolated centres of infection have occurred, but no special action has been necessary in dealing with them. The cases were generally of a mild type and only one death occurred, this being from Whooping Cough.

SCHOOL CLOSURE.

It has not been found necessary to close any of the schools during the year on account of infectious disease.

SCHOOLS AFFECTED (SCARLET FEVER AND DIPHTHERIA).

	Scarlet Fever.	Diphtheria.
Bradley Senior Boys	1	—
Edge End Senior Boys	1	—
Walverden Senior Girls	—	—
Whitefield Senior Girls	—	—
Bradshaw Street Junior A.	—	—
Bradshaw Street Junior B.	—	2
Great Marsden Junior	1	—
Leeds Road Junior	—	—
Little Marsden Junior	—	—
Lomeshaye Junior	—	—
Holy Saviour's Mixed	1	—
St. George's Mixed	1	2
St. Joseph's Mixed	—	2
Open Air	1	—
Bradley Infants	1	—
Bradshaw Street Infants	3	—
Great Marsden Infants	1	—
Holy Saviour's Infants	—	2
Leeds Road Infants	—	—
Little Marsden Infants	—	1
St. George's Infants	1	1
St. Joseph's Infants	—	4
Walverden Infants	—	1

Whitefield Infants .....	—	.....	1
Secondary .....	—	.....	—
Out of Borough .....	—	.....	1
Private School .....	—	.....	—
	—		—
Total	12	.....	17

No reports have been made during 1937 under Section 14 (4) of the Sanitary Officers Order, 1922.

INFLUENZA.

Number of deaths, 1937	15
Number of deaths, 1936	4
Increase on previous year	11
Death rate per 1,000 of population from Influenza	0.42

It will be noted from the following table that although deaths from Influenza show an increase on the three previous years, the deaths from other diseases, i.e., Pneumonia, Bronchitis and Other Respiratory Diseases show little change.

Disease.	Number of Deaths.				
	1933.	1934.	1935.	1936.	1937.
Influenza	37 ...	5 ...	7 ...	4 ...	15
Pneumonia (all forms)	24 ...	17 ...	14 ...	12 ...	14
Bronchitis	33 ...	13 ...	23 ...	32 ...	23
Other Respiratory diseases	5 ...	2 ...	5 ...	4 ...	6
	—	—	—	—	—
Totals	99 ...	37 ...	49 ...	52 ...	58

CONTACTS, RETURN CASES, CARRIER CASES.

No action has been necessary in regard to any of the above cases.

SCHICK AND DICK TESTS.

These tests have not been used, nor has any method of immunisation against diphtheria or scarlet fever been applied.

VACCINATION.

No vaccinations or re-vaccinations have been performed by the Medical Officer of Health during the year.

PATHOLOGICAL, CHEMICAL AND BACTERIOLOGICAL EXAMINATIONS.

These are carried out at the Public Health Laboratory, 21 Carr Road. Medical practitioners are supplied with the requisite outfits for taking specimens when necessary.

NO. OF SPECIMENS, &C., SENT OR OBTAINED FOR EXAMINATION.

Swabs, Throat	199
Sputum for T.B. (Positive 14, Negative 54)	68
Hair for Ringworm	1
Blood, for count	6
Blood Smears, microscopical examinations	32
Blood, for Organisms by Culture	—
Blood, Widal reaction	4
Faeces	10
Pleural Effusions	3
Urine, sugar estimation	14
Water	8
Urine, general examination for bacteria and nature of deposit	122
Pus, for Gonococcus	39
Pus, for organisms	26
Cerebro-Spinal Fluid	6
Specimens for Malignancy, &c.	37
Sewage	—
Specimens from Animals—Smears, Tissues, &c.	72
Milk deposits	110
Milk for T.B. by inoculation	43 →
Milk, for Milk Fat, S.G. Solids, &c.	272
Milk, for visible cleanliness	272
Milk for B. Coli	272
Milk for Bacterial Count	272
Milk for Reductose Test	276
Other specimens	10
<hr/>	
Total number of examinations or tests made in connection with the above	5167

DISINFECTION.

The method adopted for disinfection is (a) for bedding, clothing, etc., by means of a steam disinfecter, (b) for articles which would be damaged by steam, exposure to formaldehyde gas in a closed chamber, and (c) for rooms, formalin spray and the generation of formaldehyde gas. The steam disinfecter is situated at the Destructor Works, Charles Street.

On visiting cases of Infectious Disease a bottle of disinfectant fluid is left and instructions given as to its use. A form of certificate is also left with the householder for the medical practitioner to sign when the patient has recovered, and when

this certificate is returned to the Public Health Office, arrangements are made for the necessary disinfection to be carried out.

Disinfection is compulsory in cases of Scarlet Fever, Diphtheria, Enteric Fever, Tuberculosis and Puerperal Fever. In other cases including Measles, Pneumonia, Erysipelas, etc., disinfection is carried out if a request is made.

Fumigation of rooms and houses is also carried out in cases of verminous infestation. In addition to fumigation by sulphur dioxide, special preparations of spraying fluids are used in these cases.

Particulars of the work carried out during the year are as follows:—

No. of rooms fumigated and sprayed	558
„ articles of bedding disinfected (steam)	755
„ articles of wearing apparel disinfected (steam) ...	228
„ miscellaneous articles disinfected (steam)	2
„ books, boots, etc., disinfected (formaldehyde)	69
„ schools fumigated and sprayed	Nil
„ public offices fumigated and sprayed	Nil

The figure for the number of rooms fumigated includes rooms disinfested. During the year 37 houses have been treated for the eradication of bed bugs, 3 of these houses were owned by the Council.

The work of disinfection is carried out by the staff of the Public Health Department.

The Disinfecting Station is adapted for use for the cleaning of verminous persons. There has been no instance during the year of disinfection being carried out.

CANCER.

No special inquiries have been made in respect of Cancer. Analysis of the deaths in Nelson during 1937 from malignant disease shows an increase of 4 on the number of deaths in 1936. The death rate per 1,000 of population for 1937 was 1.429, the average rate for the previous five years being 1.535.

Pathological examination of specimens is made at the Public Health Department Laboratory, the specimens being obtained after operative treatment and examination carried out to determine the nature of the growth.

Where radium treatment is recommended the Radium Clinic at Burnley Victoria Hospital is available to patients.

The following table shows the analysis of the deaths from malignant disease according to age and the location of the disease.

TUBERCULOSIS.

No. of cases of Pulmonary Tuberculosis notified	16
,, cases of other forms of Tuberculosis notified	15
Notifications from Sanatoria admitted (Pulmonary 15, Non-Pulmonary 3)	18
No. of specimens of Sputum examined	68
No. Positive	14
No. Negative	54
No. of deaths from Pulmonary Tuberculosis	14
No. of deaths from Non-Pulmonary Tuberculosis	3
Death Rate per 1,000 of population—Pulmonary Tuberculosis	0.392
Death Rate per 1,000 of population—Non-Pulmonary Tuberculosis	0.084

NEW CASES AND MORTALITY DURING 1937.

Age Period, Years	New Cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	—	—	—	—	—	—	—	—
1—5	—	—	1	2	—	—	—	—
5—10	—	—	1	—	—	—	—	1
10—15	—	—	1	2	—	—	—	—
15—20	—	1	—	2	—	—	—	—
20—25	—	2	1	1	1	3	—	—
25—35	5	1	—	2	2	1	2	—
35—45	1	1	—	1	—	—	—	—
45—55	—	—	—	—	2	—	—	—
55—65	1	2	—	—	2	2	—	—
65 and over	—	2	—	1	—	1	—	—
Totals...	7	9	4	11	7	7	2	1
	16		15		14		3	

With one exception notification of the disease has been received prior to death of the patient. In the case not notified the disease was non-pulmonary with sudden onset and fatal result.

No action has been necessary for wilful neglect or refusal to notify, notification on the whole being efficient.

The following is a list of occupations, if any, followed by patients notified during 1937:—

	Pulmonary.	Non-pulmonary.
Cotton Operative	4	6
Home-duties	6	1
Out-door Worker	—	—
Shop Assistant	—	1
Clerical & Professional	2	—
School Children	—	4
No occupation & Infants	4	3

PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS.

No action has been necessary under these Regulations with reference to tuberculous employees in the milk trade.

PUBLIC HEALTH ACT, 1925, SECTION 62.

No action has been necessary under this section relative to the removal to hospital of patients suffering from pulmonary tuberculosis and who are without proper and suitable home accommodation.

I am indebted to Dr. MacPhee, the Consultant Tuberculosis Officer for this area, for the following report of the work carried out in Nelson, dealing with Tuberculosis during 1937.

PREVENTION AND TREATMENT OF TUBERCULOSIS.

The Lancashire County Council Tuberculosis Dispensary is situated at 64, Carr Road, Nelson. It is, therefore, most conveniently placed for the Borough of Nelson, and is open for insured and non-insured persons alike.

The Consultant Tuberculosis Officer is in attendance on Tuesday afternoons at 12-30 o'clock, and on Friday mornings by appointment.

NOTIFICATIONS OF PERSONS SUFFERING FROM TUBERCULOSIS IN THE BOROUGH OF NELSON IN 1937.

	Pulmonary.	Non-pulmonary.	Total.
Form " A " (new cases)	16	15	31
Number of new patients examined at the Dispensary			105
Number of new patients examined at their homes			8
Total			113

Of the total of 113 patients, 33 were found to be suffering from Tuberculosis in one form or another, and 80 were discharged after varying periods of observation, as non-tuberculous.

No. of re-examinations of “ old cases ”	283
No. of patients who received treatment in Sanatoria (“ early ” cases)	5
No. of patients who received treatment in Pulmonary Hospitals (advanced cases)	14
No. of patients who received treatment in General and Special Hospitals (surgical cases)	13
No. of patients who received special treatment (Artificial Pneumothorax 2)	2
No. of X-ray examinations made	150

Details are appended of the work in Nelson of the Tuberculosis Health Visitor, Nurse H. M. Alcock:—

No. of primary visits to patients	31
No. of “ following-up ” visits to patients	947
<hr/>	
Total	978

Of the 31 patients visited by the Health Visitor for the first time 16 were suffering from pulmonary or lung tuberculosis, and the following table indicates the condition found with regard to isolation in the home, and what was effected as a result of that visit:—

Condition in the home as regards isolation of the patients at the time of the Nurse’s first visit	Patients occupying separate bed, but		
	Patients occupying separate bedroom	others sharing room	Patients occupying bed with another person
Condition subsequent to and as a result of the Nurse’s visit	9	2	5
	14	2	—

During the past year in order to effect isolation, three patients required assistance under the arrangements adopted by the County Tuberculosis Committee, whereby bedsteads and mattresses are given out on loan to necessitous cases.

Bed rests, air cushions, and other utensils were lent to seven patients.

During 1937 in the Borough of Nelson there were under observation 89 cases of pulmonary tuberculosis, and 78 cases of tuberculosis other than pulmonary. Of the 89 pulmonary

cases, 56 at some time or other had tubercle bacilli present in the sputum. Of the latter number, 11 are cases without symptoms or sputum, and in which the disease is quiescent, these patients have all been on full work for over three years.

Since 1922 the Ministry of Health have allowed cases of tuberculosis to be written off as recovered; pulmonary cases after having been without symptoms for five years, and non-pulmonary cases after three years.

During 1937 the following number of cases were written off as recovered :—

Pulmonary.	Non-pulmonary.	Total.
12	17	29

ULTRA-VIOLET RADIATION TREATMENT.

Two Carbon-arc Lamps, one Jesionek Mercury Vapour Lamp, and one Kromayer Mercury Vapour Lamp are installed at 64, Carr Road, Nelson, for the treatment of suitable cases of non-pulmonary tuberculosis, including lupus, and during the year ended 31st December, 1937, 18 patients from Nelson received treatment.

B. MACPHEE,

High Lea, Whalley Road,
Accrington.

Consultant Tuberculosis Officer.

6th May, 1938.

VII.—MATERNITY AND CHILD WELFARE.

This work is carried out by the Local Authority under the supervision of the Medical Officer of Health. One part-time and two whole-time Health Visitors are employed, the work of the part-time nurse being divided between the Infant Welfare Service and the School Medical Service.

The following figures refer to the work carried out under your Maternity and Child Welfare Service. This comprises the work of the Health Visitors, the attendance at the Infant Welfare Centre and the consultations thereat, the use of the Maternity Home and the attendances at the Orthopædic Clinic so far as it affects pre-school children.

The services of the Consultant have been requested on 8 occasions. 3 patients were in residence at the Maternity Home and in the other 5 cases the Consultant visited the home of the patient. In these latter 5 cases, all were admitted to Reedyford Hospital for cæsarean section to be performed.

The arrangements have been continued by which prior to the end of each school term, girls who are eligible for leaving the senior girls' schools attend the Infant Welfare Centre for a practical demonstration of mothercraft. A descriptive lecture is given by the Health Visitor and the pupils see the actual bathing of a baby together with the necessary preparations.

No. of births notified in area during the year under the Notification of Births Act, 1907 :—

Live Births	297
Still Births	16
Total	313
By Midwives (including Maternity Home)	249
By Doctors and Parents	64
No. of Confinements Primipara	163
„ „ „ Multipara	143
Cases of Twin Births notified	7
„ „ Triplet Births notified	—
Percentage of multiple births	2.29%
No. of illegitimate births notified	10
Percentage of illegitimate births to total births notified	3.2%
Percentage of still-births to total births notified	5.1%
Failure to notify birth	Nil
No. of cases in which services of Consultant were requested	8
No. of cases in which nursing assistance was requested...	—
No. of births by Cæsarean Section	11
Number of visits paid during the year by the Health Visitors :—	
To expectant mothers—First visits	194
Total Visits	408
To children under 1 year of age—First visits	285
Total visits	3904
To children between the ages of 1 & 5 years—No. visited	1153
Total visits	3460
Average number of visits per infant	13.7
Average number of visits per child	3.0
Average number of visits per mother	2.1
No. of ineffectual calls	745
No. of special visits made for supply of milk	59
No. of special visits made for assistance in Ophthalmia cases	74
No. of special visits made for nursing assistance in other cases	195

No. of cases attended by Registered Midwives practising
in the area during the year :—

As Midwives 16

As Maternity Nurses 154

No. of cases attended by other Midwives on the register,
but not practising as Midwives and actng as
Maternity Nurses 49

No. of confinements attended by Medical Practitioners... 290

Percentage attended by Medical Practitioners 94.7%

No. of Pneumonia Jackets made 17 pairs

OCCUPATION OF MOTHERS WITHIN NINE MONTHS OF CONFINEMENT.

Cotton Operatives 140 or 45.8%

Housewives 136 or 44.4%

Other occupations 30 or 9.8%

PERIOD OF TIME BETWEEN WORKING AND CONFINEMENT.

Under One Month 16 or 9.4%

One Month 14 or 8.2%

Two Months 49 or 28.8%

Three Months 47 or 27.6%

Four Months 23 or 13.5%

Five Months 11 or 6.5%

Six Months 4 or 2.4%

Seven Months 2 or 1.2%

Eight Months 4 or 2.4%

FIRST METHOD OF FEEDING INFANTS BORN DURING YEAR.

Breast	Bottle	Breast & Bottle	Spoon	Not Fed
79.1 %	11.1 %	8.8 %	0.3 %	0.7 %

Continuous records have been obtained of the methods of
feeding 301 infants born during the period January 31st, 1936,
to February 1st, 1937, with the following results :—

Food Used	First fort- night	2—6 weeks	6—13 week	3—6 mths.	6 9 mths.	9—12 mths.
Breast	230	174	133	108	85	10
Breast and Cow's Milk	25	21	9	7	3	...
Breast and Dried Milk .....	...	1	1	...	...	...
Cow's Milk... ..	19	43	76	98	125	...
Cow's Milk (Designated).....	8	25	28	32	35	...
Cow's Milk and other Prepared Foods	5	13	18	25	26	...
Dried Milk	10	18	28	28	23	...
Nestle's Milk.....	4	5	7	2	3	...
Normal Diet, 9-12 months.....	...	...	...	...	...	291
Goat's Milk .....	...	1	1	1	1	...

Explanations offered in certain cases for not feeding the babies (beyond the age of 3 months) on breast milk, or not continuing with same after having commenced:—

Mother's Milk gradually decreased until there was none or not sufficient	102
Owing to Mother returning to work	23
Retracted Nipples	—
Mastitis	7
Discontinued on Doctors' advice	15
Discontinued on miscellaneous advice	5
Mother did not persevere	7
Mother ill	18
Twin Babies	2
Hare Lip and Cleft Palate	1

The Infant Welfare Centre is situated at No. 9 Carr Road, Nelson, and is open on Wednesday afternoons, from 2 p.m.

	1936.	1937.
Number of meetings held	46	44
Total No. of attending infants	302	348
„ „ „ children	413	420
„ „ „ expectant mothers	60	53
	—775	—821
Total number of attendances:—	1936.	1937.
Infants	1275	1600
Children	1082	1002
Expectant Mothers	187	112
	—2544	—2714
Average Attendance per session:—	1936.	1937.
Infants	42.2	36.4
Children	26.2	22.8
Expectant Mothers	3.1	2.5
Average number of attendances per		
Infant	4.2	4.6
Child	2.6	2.4
Mother	3.1	2.1

ATTENDANCES IN DETAIL.

	Infants.	Children, 1 to 5.	Ante-natal Mothers.
One attendance	90	208	31
Two attendances	67	86	9

	Infants.	Children 1 to 5.	Ante-natal Mothers.
Three attendances	37	52	5
Four „ „	35	28	1
Five „ „	18	13	4
Six „ „	16	8	—
Seven „ „	17	7	1
Eight „ „	9	3	1
Nine „ „	11	3	1
Ten „ „	5	5	—
Eleven „ „	13	2	—
Twelve „ „	6	—	—
Thirteen „ „	7	2	—
Fourteen „ „	4	2	—
Fifteen „ „	2	1	—
Sixteen „ „	3	—	—
Seventeen „ „	2	—	—
Eighteen „ „	1	—	—
Nineteen „ „	1	—	—
Twenty „ „	—	—	—
Twenty-one „ „	1	—	—
Twenty-two „ „	2	—	—
Twenty-three „ „	1	—	—
Twenty-four „ „	—	—	—

A summary of the attendances of infants and expectant mothers from the various wards of the Borough gives the following figures:—

Bradley	Central	Clover Hill	Marsden	Netherfield
117	73	66	75	138
Southfield	Walverden	Whitefield	Out of Borough	
117	118	98	13	

No. of Infants for whom consultations were requested ...	246
„ Children „ „ „ „ „ ..	255
„ consultations for Infants	506
„ „ Children	405
„ „ Ante-natal Mothers	21
Total Consultations	932

No. of consultations for Infants, Children and Ante-natal Mothers:—

			Infants.	Children.	Ante-natal Mothers.
No. requiring	one consultation	.....	114	... 175	... 21
„	two consultations	.....	64	... 46	... —
„	three consultations	.....	38	... 16	... —
„	four consultations	.....	15	... 10	... —
„	five consultations	.....	7	... 2	... —
„	six consultations	.....	4	... 4	... —
„	seven consultations	.....	2	... 1	... —
„	eight consultations	.....	1	... —	... —
„	nine consultations	.....	1	... 1	... —

MATERNITY HOME.

The Maternity Home is situated in Netherfield Road, and with the present accommodation was opened on May 28th, 1921.

The fee for admission to the Home is £2-2-0 per week for residents, and £3-3-0 per week for non-residents.

For residents the application for admission is made on a form which gives an option to the applicant, according to their financial status, to

- (a) Agree to pay the full fee in one payment,
- (b) Agree to pay the full fee by instalments,
- (c) Apply for a reduction of the fee, or
- (d) Apply for free admission.

In the latter two cases the Maternity and Child Welfare Committee consider the application and decide what fee should be paid.

The services of the Consultant have been requested on 3 occasions during the year at the Maternity Home, in 2 cases prior to confinement and in 1 case after confinement. Of these 3 cases, 1 was removed to Reedyford Hospital for caesarean section to be performed, and 2 remained in the Maternity Home for treatment.

The ante-natal clinics which for a greater part of the year were held at the Maternity Home, are now held at the Infant Welfare Centre in Carr Road. The clinics at the Home were held under difficulties owing to the lack of suitable accommodation, and it was found that slight alterations carried out at the Infant Welfare Centre would render these premises much more suitable for the purpose.

The ante-natal clinic is held twice weekly, one being an afternoon session and the other an evening session, the latter to give opportunity for working mothers to attend. The clinic is conducted by the matron of the Maternity Home, and all applicants for admission to the Home are advised to attend for examination.

Attendance at the clinic is not confined to patients intending entering the Home. An agreement has been made whereby the State Midwives appointed for this area by the Lancashire County Council can arrange for their patients to attend the ante-natal clinic for examination.

It has been suggested to the local medical practitioners that these premises are available if they themselves wish to make examination of any ante-natal patients on whom they will eventually have to attend.

In regard to the examinations carried out by the Matron, any abnormal condition found is reported to the Medical Officer of Health and the patient advised to consult her own medical practitioner. Systematic examination of urine is carried out.

Particulars of the administration of the Ante-natal Clinic during 1937, are:—

No. of Ante-natal mothers who attended for consultations	180
„ Attendances by ante-natal mothers	1573
„ Ante-natal mothers found to require treatment ...	76
„ Ante-natal mothers advised to obtain medical advice (included in the above)	64
„ Ante-natal mothers who were admitted to the Home for special treatment following medical advice	12
„ Ante-natal mothers for whom Hospital treatment was advised	9
„ Patients advised special home treatment	21

Particulars of the work carried out at the Home during 1937 are:—

Total number of patients admitted to the Home from date of re-opening to 31st December, 1937	3054
No. of patients admitted during year	168
„ „ who agreed to pay full fee	132
„ „ „ applied for a reduction of the fee	36
„ „ „ were admitted at a reduced fee	18
„ „ „ „ free	13

No. of patients admitted who were not resident in the	
Borough	18
„ Births for year (alive)	163
„ „ „ (still-born)	6
„ Twin Births	4 cases
„ Abortions	Nil
„ Patients for whom the services of the Consultant Practitioner were required	3

The following is a list of admission to the Home per month for the year:—

Month	Number Admitted	Number of Births		Number of Deaths	
		Alive	Dead	Infants	Mothers
January	13	10	—	—	—
February	11	10	1	—	—
March.....	16	15	1	—	—
April	16	15	1	1	—
May.....	20	19	—	—	—
June	20	20	1	—	—
July	14	13	—	—	—
August	15	18	—	—	—
September	17	17	1	—	—
October	8	9	—	—	—
November	11	11	—	—	—
December	7	6	1	—	—
Totals.....	168	163	6	1	—

No. of patients admitted per year since re-opening:—

1921 (7 months)	28
1922	66
1923	148
1924	199
1925 (11 months)	204
1926	236
1927	189
1928	238
1929	222
1930	244
1931	210
1932	219
1933	191
1934	153
1935	171
1936	168
1937	168

Average number of patients in residence per day throughout the year	6.4
Total number of patient days	2348

The following table gives an idea as to how the beds have been occupied throughout the year:—

On 26 days during the year more than 10 beds were occupied.

„ 17	„	„	10 beds were occupied.
„ 31	„	„	9 „ „ „
„ 43	„	„	8 „ „ „
„ 51	„	„	7 „ „ „
„ 63	„	„	6 „ „ „
„ 46	„	„	5 „ „ „
„ 46	„	„	4 „ „ „
„ 28	„	„	3 „ „ „
„ 12	„	„	2 „ „ „
„ 2	„	„	1 bed was occupied.

The following table gives the percentage of births occurring in the Maternity Home:—

No. of patients admitted to Maternity Home	168
No. of non-residents included in above	18
Percentage of total number	10.7%
Percentage of total number in 1936	10.7%
Total births notified in Nelson including Still-Births ...	313
Total number of births in Maternity Home	169
Percentage of Births in Maternity Home	53.9%
Percentage of Births in Maternity Home in 1936	47.8%

Excluding the number of Births relating to out of Borough patients:—

Number of Births in Maternity Home	151
Percentage of Births in Maternity Home	51.5%
Percentage of Births in Maternity Home in 1936	45.0%

During the year one death has occurred in the Home, particulars regarding which are as follows:—

Date of Death	Age	Cause of Death	Length of Time in Home
MATERNAL DEATHS			
NIL.			
INFANT DEATHS			
April 30	3 days	Convulsions, Partial Pulmonary Atelectasis	...

INCIDENCE OF MATERNAL MORTALITY, STILL-BIRTHS AND INFANT DEATHS.

No. of Maternal Deaths—

Puerperal Sepsis	Nil
Other accidents and diseases of pregnancy and parturition	Nil
Total	Nil

Maternal death rate per 1,000 of population Nil

Maternal Mortality Rate per 1,000 Live Births—

	England and Wales.	Nelson.
Puerperal Sepsis	0.97	Nil
Others	2.26	Nil
Total	3.23	Nil

Maternal Mortality Rate per 1,000 Total Births—

Puerperal Sepsis	0.94	Nil
Others	2.17	Nil
Total	3.11	Nil

No. of deaths of infants under 1 year	10
„ infants born during year who died during year	7
„ deaths under 1 year due to prematurity, congenital defects or injury at birth	6

Analysis of occupation of mother and period of time of
ceasing work before confinement in these 6 cases.

Cause of Death	Oceupation of Mother	Time of ceasing work before Confinement
Congenital	Creaper	Same day
„	Weaver	3 months
„	„	5 months
„	Home Duties	—
„	„	—
„	Shop Assistant	1 month

No. of infant deaths over 1 but under 2 years of age	3
" " " 2 " 3 " 	—
" " " 3 " 4 " 	1
" " " 4 " 5 " 	1

Death rate per 1,000 births, average number for four years—

Over 1 but under 2 years of age	8
" 2 " 3 " 	—
" 3 " 4 " 	3
" 4 " 5 " 	3

Causes of death in these 5 cases.

Cause of death.	Number of Deaths.			
	Over 1 but under 2 years.	Over 2 but under 3 years.	Over 3 but under 4 years.	Over 4 but under 5 years.
Pneumonia	1	—	1	—
Infantile				
Hemiplegia	1	—	—	—
Congenital				
Defect or				
Malformation .	1	—	—	1
No. of still-births (notified)	16			
Rate per 1,000 total births (notified)	51			

STILL-BIRTHS (NOTIFIED).

Occupation of Mother	Time between working and con- finement	Stage of develop- ment of child in months.	Other Children.				Attended by Doctor or Midwife.	Remarks.
			Alive	Dead	Still-born	Abortion		
Twin Weaver...Babies	2 days	7	...	...	...	..	Doctor	Cause not known
"	4 wks.	9	...	...	...	...	"	Albuminuria.
"	6 wks.	7½	...	...	...	...	"	Macerated foetus
"	2½ mths.	9	1	...	...	...	"	Macerated. Doctor said due to fall at half term
"	4 mths.	9	...	...	...	...	"	Macerated. Spina Bifida Meningocele
Baker	3 days	9	...	...	...	...	"	Large Meningocele
Home Duties		7	...	...	...	...	"	Macerated. Doctor said been dead some time
"		8½	8	...	...	...	"	Spina Bifida. Macerated
"		7	...	...	...	...	"	A fall 2 weeks before confinement.
"							"	Spina Bifida. Macerated.

DIED DURING BIRTH (NOTIFIED).

Occupation of Mother	Time between working and confinement	Stage of development of child in months	Other Children.				Attended by Doctor or Midwife.	Remarks
			Alive	Dead	Still-born	Abortion		
Weaver		9	2	...	...	...	Doctor	Mal. Presentation
„		9	...	...	1	...	„	Strangulation by umbilical cord
„		9	...	...	...	...	„	Mal. Presentation. Very big baby
„		9	...	...	...	...	„	Difficult forceps delivery (a10lbs.baby)
„		9	2	1	...	...	„	Hydramnios
„		9	2	...	...	...	„	Mal. Presentation

No scheme is in operation for dealing with unmarried mothers, illegitimate children, or children permanently or temporarily deprived of a home with their own parents.

ORTHOPÆDIC CLINIC.

The Orthopædic Clinic is held weekly on Fridays at the School Clinic in Carr Road. The scheme is run in conjunction with the Local Education Committee, the Lancashire County Council and the Colne Local Authority.

The following figures refer to the children who have been in attendance following a recommendation from the Infant Welfare Centre.

No. of times Clinic was open during year	30
„ infants who attended during year	40
„ attendances made by these infants	102
„ infants under treatment at Biddulph, 31st December, 1936	Nil
„ infants sent to Biddulph Hospital	Nil
„ „ discharged from Biddulph	Nil
„ „ under treatment at Biddulph, 31st December, 1937	Nil

The number of new cases admitted to the Clinic per month during the year is :—

No. of new cases in January	2
February	1
March	—
April	2
May	3
June	2
July	2
August	2
September	3
October	3
November	1
December	—
No. of cases discharged during the year	8
No. of cases who have attained school age during the year and been transferred into the School Medical Service Section	14
No. of cases on books at 31st December, 1937	44

The defects necessitating orthopædic treatment in the 21 children who have been admitted during the year are:—

Generalised rickets	—
Defects of the hip	—
Defects of the lower limbs	15
Defects of the upper limbs	—
Defects of the spine	1
Other defects	7

DETAILS OF ATTENDANCES AT ORTHOPÆDIC CLINIC.

Attendances.	Children
One attendance	13
Two attendances	9
Three „	10
Four „	5
Six „	1
Seven „	1
Eight „	1

OPHTHALMIA NEONATORUM.

Attack Rate per 1,000 live births	6.1
---	-----

Cases			Vision unimpaired	Vision impaired (slight)	Total blindness	Deaths
Notified 1937	Treated					
	Home	Hospital				
2	1	1	1	1	—	—

PUERPERAL PYREXIA.

No. of cases reported	Nil
No. of cases in which services of a trained nurse were requested	Nil
No. of deaths	Nil
Attack Rate per 1,000 Total Births	0.00
Attack Rate per 1,000 Total Births (England and Wales)	13.93
„ „ „ „ 125 County Boroughs	17.59
„ „ „ „ 148 Smaller Towns .	11.52
„ „ „ „ London	18.49

A change in the notification of Puerperal Sepsis and Puerperal Pyrexia has occurred during the year, whereby all these cases are now classified as Pyrexia.

CONCLUSION.

In the compilation of this report I am indebted to the following officials, who have supplied me with particulars relating to the work that comes under their supervision.

Mr. F. V. Alexander, Borough Surveyor.

Mr. A. Boothman, Borough Water Engineer.

Mr. H. Reid, Borough Treasurer.

Dr. F. Hall, County Medical Officer of Health.

Supt. T. Pickering, Lancashire County Constabulary.

Dr. B. MacPhee, Consultant Tuberculosis Officer.

Mr. J. T. Nutter, Director of Public Cleansing.

Before concluding, I have to acknowledge the willing assistance and co-operation I have received throughout the year from the whole of the members of my staff. Any work apportioned to them has been carried out efficiently, and on occasions when this has necessitated working outside recognised hours, their services have been given willingly.

I am, Ladies and Gentlemen,

Your obedient Servant,

R. G. MARKHAM, M.B., D.P.H.,

Medical Officer of Health.



Borough of Nelson.

Annual Report
of the
School Medical Officer
for 1937.

R. G. MARKHAM, M.B., D.P.H.,
School Medical Officer.

BOROUGH OF NELSON

School Medical Service Sub-Committee.

ALDERMAN A. SMITH, J.P., C.C., Chairman.

THE MAYOR (Alderman J. Robinson, J.P.).

ALDERMAN R. BLAND

„ E. BOOTHMAN, J.P., C.A.

„ R. WINTERBOTTOM

COUNCILLOR W. BANNISTER

„ H. DEWHURST

„ J. HAYDOCK

„ J. WIDDUP

MRS. S. J. COOPER, J.P.

Officers and Staff of the

School Medical Service Department.

School Medical Officer R. G. MARKHAM, M.B., D.P.H.

Dentist MR. THOMAS JACKSON, L.D.S.

Nurses MISS E. SIMPSON†, MRS. E. A. SAVILLE-SMITH,
MISS L. P. SPARKS & MRS. A. H. FRANKLAND*+.

Senior Clerk A. WILDMAN*

Junior Clerk J. W. TATTERSALL

Director of Education MR. W. H. SHEPHERD, B.A.

† Absent due to sickness. * Part time. + Temporary.

School Clinic, 11 Carr Road.

List of Schools in the Borough.

Secondary Day School Oxford Road

SENIOR.

	Accommodation.		Average No. on Rolls December, 1937.		
			Total.	Under 5.	
Bradley Boys C.	320	...	197	...	—
Edge End Boys C.	480	...	289	...	—
Walverden Girls C.	480	...	268	...	—
Whitefield Girls C.	320	...	197	...	—

JUNIOR MIXED.

Bradshaw Street C. (A)	400	...	248	...	—
Bradshaw Street C. (B)	350	...	276	...	—
Great Marsden	264	...	249	...	—
Leeds Road C. of E.	200	...	205	...	—
Little Marsden	105	...	70	...	—
Lomeshaye C.	200	...	163	...	—

R.C. MIXED.

Holy Saviour	210	...	133	...	—
St. George's	88	...	89	...	—
St. Joseph's	210	...	94	...	—
Open Air C.	130	...	125	...	—

INFANTS.

Bradley C.	250	...	173	...	43
Bradshaw Street C.	350	...	238	...	56
Great Marsden	130	...	117	...	22
Holy Saviour R.C.	95	...	56	...	8
Leeds Road C. of E.	100	...	37	...	4
Little Marsden	65	...	61	...	15
St. George's R.C.	92	...	38	...	12
St. Joseph's R.C.	150	...	65	...	26
Walverden C.	250	...	182	...	48
Whitefield C.	300	...	184	...	36

Totals	5539	...	3754	...	270
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NELSON,

MARCH, 1938.

To the Chairman and Members of the Nelson Education Committee.

LADIES AND GENTLEMEN,

I have pleasure in submitting a report on the work of the School Medical Services Department for the year ended 31st December, 1937.

The various duties have been carried out throughout the year on similar lines to previous years.

In the course of the report each branch of the work of the School Medical Services is dealt with individually and relative figures submitted.

Comparative tables are given by which the result of this year's work may be compared with previous years.

A study of the figures submitted in the various tables shows no outstanding features, and the comparison with previous years tends to show a general uniformity.

The general health of the school children is very good, and a satisfactory standard of stamina maintained. When one takes into consideration the trade conditions of the town, with the consequent lower earnings, this is very satisfactory. In this respect I think some credit may be claimed by the Education Committee for the provisions they continue to make for the supplying of free meals to necessitous cases, and also for the general provision of milk for school children throughout the whole of the elementary schools in the Borough.

Though in the aggregate, the number of defects found or treated may appear large, the majority were defects of a minor character, and soon yielded to treatment.

ROUTINE INSPECTIONS.

1,225 children have been medically inspected at the Routine Inspections at the schools. This is 55 children more than the number inspected in 1936. The 1,225 children comprise 389 in the entrants group, 410 in the second age group (i.e., 8 years of age), and 426 in the third age group (i.e., children of 12 years of age).

Of these children 101 in the entrants group, 104 in the second age group and 66 in the third age group, were found with a defect which required treatment.

On a percentage basis the following figures show the percentage of children requiring treatment in each group for 1937,

and the three previous years. These figures show that although the figure for the second age group indicates a slight increase, the other two groups show a decrease, and the total percentages are the lowest for the past four years.

	1934.		1935.		1936.		1937.
Entrants	29.1	...	31.17	...	34.54	...	25.96
Second Age Group	29.8	...	34.48	...	20.98	...	25.37
Third Age Group	22.4	...	19.92	...	16.81	...	15.49
Total Code Groups	26.9	...	28.54	...	24.53	...	22.12

The following table shows a summarised analysis of the defects found in the course of the Routine Medical Inspection, which required treatment or to be kept under observation. It will again be noticed that Diseases of the Nose and Throat and Defective Vision show the highest figure, being approximately 40% of the defects found.

	Requiring treatment.	Requiring observation, but not requiring treatment
Defect or Disease of the Skin	11	2
Defect or Disease of the Eye	6	3
Defective Vision, including Squint	73	4
Defective Hearing	2	4
Disease of the Ear	7	2
Disease of the Nose and Throat	80	15
Defective Speech	3	6
Enlarged Cervical Glands (Non-Tuberculous)	12	7
Defect or Disease of the Heart & Circulation	22	9
Defect or Disease of Lungs (Non-Tuberculous)	24	5
Defect or Disease of Nervous System	14	9
Tuberculosis (definite or suspected)	2	1
Deformities	17	13
Other Defects and Diseases	45	20
	<hr/>	<hr/>
Total.....	318	100

A figure representing the number of individual defects per 1,000 children inspected annually, has been calculated over a period of 10 years and an average figure obtained for these ten years. With these latter figures can be compared the results found in the 1937 Routine Inspections, and for further comparison I have included the results of the Routine Inspections during 1936 carried out by the Lancashire County Council School Medical Service, in connection with the public elementary schools in the County that come within their province.

DEFECTS FOUND DURING ROUTINE INSPECTIONS CALCULATED PER 1,000 SCHOOL CHILDREN INSPECTED.

T=Treatment. O=Observation.

Year	Malnutrition			Ringworm Scalp.			Ringworm Body.			Scabies			Impetigo			Other Skin Diseases Non-Tubercular		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1927	...	4.92	4.92	0.70	...	0.70	...	...	...	...	...	...	6.33	...	6.33	8.44	7.03	15.48
1928	6.87	1.87	8.75	14.37	...	14.37	...	...	...	...	...	...	6.87	...	6.87	7.50	3.75	11.25
1929	2.19	2.19	4.39	0.73	...	0.73	...	...	...	...	...	...	2.19	...	2.19	3.66	3.66	7.32
1930	4.34	2.61	6.95	...	...	...	2.61	0.87	3.47	...	...	...	4.34	...	4.34	15.65	3.47	19.13
1931	0.75	3.00	3.75	...	...	...	...	...	...	...	...	...	1.50	...	1.50	9.01	2.25	11.26
1932	0.67	2.68	3.35	0.67	...	0.67	1.34	...	1.34	0.67	0.67	0.67	0.67	...	0.67	11.41	0.67	12.08
1933	0.73	1.45	2.18	...	...	...	...	...	...	2.92	2.92	2.92	...	...	...	10.94	0.73	11.67
1934	4.45	2.96	7.42	...	...	...	...	...	...	...	...	...	3.71	...	3.71	8.16	0.74	8.90
1935	3.52	2.11	5.63	...	...	...	...	...	...	0.70	0.70	0.70	1.41	...	1.41	7.05	...	7.05
1936	...	7.69	7.69	0.85	...	0.85	...	...	...	0.85	0.85	0.85	...	...	...	8.54	...	8.54
Average for 10 yrs	2.35	3.15	5.50	1.73	...	1.73	0.39	0.08	0.47	0.51	...	0.51	2.70	...	2.70	9.03	2.23	11.26
1937	0.81	7.14	7.95	...	...	...	...	...	...	...	...	...	2.44	...	2.44	6.53	1.63	8.16
Lanes, County Council Elem. Schools for 1936	3.73	...	3.73	0.39	...	0.39	0.27	...	0.27	0.82	...	0.82	4.40	0.39	4.79	8.19	5.92	14.11

Year	Blepharitis			Conjunctivitis			Keratitis			Corneal Opacities			Defective Vision excluding Squint			Squint		
	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O
1927	0.70	2.80	3.51	0.70	...	0.70	...	...	...	0.70	0.70	1.40	109.78	0.70	110.48	6.33	1.40	7.73
1928	3.75	...	3.75	2.50	...	2.50	...	...	...	0.62	...	0.62	93.75	...	93.75	6.25	1.87	8.12
1929	...	...	...	1.46	...	1.46	...	...	...	0.73	0.73	1.46	101.02	2.92	103.95	4.39	1.46	5.85
1930	...	...	...	2.61	...	2.61	...	...	...	1.74	0.87	2.61	77.39	...	77.39	2.61	0.87	3.47
1931	2.25	0.75	3.00	1.50	...	1.50	0.75	...	0.75	0.75	...	0.75	125.47	0.75	126.22	3.75	1.50	5.26
1932	1.34	...	1.34	...	...	...	...	...	...	0.67	0.67	1.34	86.57	...	86.57	2.68	0.67	3.35
1933	1.45	0.73	2.18	0.73	...	0.73	...	...	...	0.73	...	0.73	68.61	0.73	69.34	8.03	...	8.03
1934	1.48	...	1.48	2.22	...	2.22	...	...	...	...	...	...	69.73	1.48	71.21	2.96	2.22	5.19
1935	1.41	...	1.41	2.12	0.70	2.82	...	...	...	1.41	0.70	2.12	84.56	...	84.56	0.70	0.70	1.41
1936	2.56	...	2.56	1.70	...	1.70	...	...	...	...	...	...	99.14	0.85	99.99	3.42	5.12	8.54
Average for 10 yrs	1.49	0.43	1.92	1.55	0.07	1.62	0.07	...	0.07	0.73	0.37	1.10	91.60	0.74	92.34	4.11	1.58	5.69
1937	...	...	...	2.44	...	2.44	...	...	...	0.81	...	0.81	57.95	0.81	58.76	1.63	2.44	4.07
Lanes. County Council Elem. Schools for 1936	5.07	3.15	8.22	1.79	5.04	6.83	...	...	...	0.06	0.36	0.42	47.91	48.48	96.39	6.38	8.28	14.66

Year	Other Eye Conditions			Defective Hearing			Otitis Media			Other Ear Diseases			Enlarged Tonsils only			Adenoids only		
	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O
1927	1.40	...	1.40	5.63	1.40	7.03	...	...	...	1.40	1.40	2.80	43.63	11.96	55.59	9.85	2.80	12.66
1928	2.50	1.25	3.75	8.75	1.25	10.00	0.62	...	0.62	6.25	...	6.25	40.00	5.00	45.00	8.12	1.87	10.00
1929	1.46	3.66	5.12	5.12	1.46	6.58	2.19	...	2.19	8.78	0.73	9.51	45.38	11.71	57.10	1.46	1.46	2.92
1930	2.61	...	2.61	7.82	...	7.82	2.61	0.87	3.47	5.21	0.87	6.08	53.91	6.95	60.87	6.08	0.87	6.95
1931	0.75	2.25	3.00	4.50	...	4.50	3.00	...	3.00	6.76	0.75	7.51	46.58	4.50	51.09	6.76	2.25	9.01
1932	1.34	2.01	3.35	6.71	2.68	9.39	5.36	...	5.36	6.04	1.34	7.38	56.37	6.04	62.41	2.01	0.67	2.68
1933	2.19	2.19	4.38	2.92	...	2.92	5.84	...	5.84	6.56	...	6.56	43.06	5.84	48.90	1.45	...	1.45
1934	0.74	1.48	2.22	6.67	2.96	9.64	3.71	0.74	4.45	3.71	0.74	4.45	14.09	...	14.09	6.67	1.48	8.16
1935	2.82	1.41	4.23	2.12	1.41	3.52	4.23	...	4.23	4.23	...	4.23	33.94	0.70	34.64	2.12	0.70	2.82
1936	...	...	...	2.56	2.56	5.12	4.27	...	4.27	8.55	1.70	10.25	32.48	3.42	35.90	...	0.85	0.85
Average for 10 yrs	1.58	1.42	3.00	5.28	1.37	6.65	3.18	0.16	3.34	5.75	0.75	6.50	40.94	5.61	46.55	4.45	1.30	5.75
1937	1.63	2.44	4.07	1.63	3.26	4.89	1.63	...	1.63	4.08	1.63	5.71	31.02	8.16	39.18	6.53	...	6.53
Lancs. County Council Elem. Schools for 1936	1.15	1.40	2.55	2.44	2.52	4.76	3.40	0.60	4.00	5.70	2.34	8.04	20.76	68.13	88.89	1.27	4.13	5.40

Year	Enlarged Tonsils and Adenoids			Other Conditions Nose and Throat			Enlarged Cervical Glands (Non-Tubercular)			Defective Speech			Organic Heart Disease			Functional Heart Disease		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1927	5.63	0.70	6.33	22.51	10.55	33.07	31.66	21.11	52.78	0.70	0.70	1.40	...	5.63	5.63	...	8.44	8.44
1928	5.00	...	5.00	38.12	10.62	48.75	16.25	...	16.25	1.25	1.87	3.13	...	3.13	3.13	0.62	3.75	4.37
1929	7.32	2.19	9.51	25.62	13.17	38.80	10.25	9.51	19.76	2.92	2.19	5.12	...	2.92	2.92	0.73	6.58	7.32
1930	5.21	...	5.21	36.52	8.69	45.21	8.69	3.47	12.17	1.74	1.74	3.47	1.74	3.47	5.21	1.74	6.95	8.69
1931	4.50	...	4.50	44.40	5.26	49.66	4.50	4.50	9.01	3.00	3.00	6.01	0.75	1.50	2.25	...	7.51	7.51
1932	...	...	...	28.85	2.01	30.86	14.09	8.72	22.81	...	4.70	4.70	...	2.01	2.01	...	3.35	3.35
1933	1.45	...	1.45	34.30	3.65	37.95	16.05	10.21	26.26	0.73	2.92	3.65	0.73	2.19	2.92	...	5.84	5.84
1934	5.19	...	5.19	69.73	11.87	81.60	22.99	8.16	31.15	...	2.96	2.96	...	2.22	2.22	...	5.93	5.93
1935	6.34	...	6.34	50.03	6.34	56.37	19.73	4.93	24.66	...	4.93	4.93	...	2.12	2.12	...	3.52	3.52
1936	3.42	...	3.42	41.88	4.27	46.15	22.22	17.09	39.31	1.70	3.42	5.12	0.85	1.71	2.56	...	1.70	1.70
Average for 10 yrs	4.40	0.29	4.69	39.20	7.64	46.84	16.64	8.77	25.41	1.20	2.84	4.04	0.40	2.69	3.09	0.31	5.36	5.67
1937	5.71	...	5.71	22.04	4.08	26.12	9.79	5.71	15.50	2.44	4.89	7.33	1.63	1.63	3.26	1.63	3.26	4.89
Lancs. County Council Elem. Schools for 1936	13.23	10.11	23.34	5.64	37.65	43.29	2.33	46.03	48.36	0.76	4.09	4.85	0.61	4.55	5.16	0.24	30.21	30.45

Year	Anaemia			Bronchitis			Other Non-Tuberculous Diseases of Lungs			Pulmonary Tuberculosis Definite			Pulmonary Tuberculosis Suspected			Non-Pulmonary Tuberculosis Glands		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1927	0·70	4·92	5·63	2·80	14·07	16·88	5·63	20·40	26·03	...	...	...	1·40	1·40	0·70	0·70	...	0·70
1928	12·50	1·87	14·37	6·87	2·50	9·37	12·50	22·50	35·00	...	...	...	...	...	0·62	0·62	0·62	1·25
1929	5·85	2·92	8·78	8·78	8·05	16·83	12·44	22·69	35·13	...	...	...	0·73	0·73	0·73	...	...	0·73
1930	7·82	1·74	9·56	6·95	4·34	11·30	7·82	7·82	15·65	...	...	...	...	...	...	...	...	...
1931	3·00	6·01	9·01	7·51	6·01	13·52	5·26	12·02	17·28	...	...	...	...	...	1·50	1·50	...	1·50
1932	6·04	0·67	6·71	8·72	3·35	12·07	2·68	6·71	9·39	...	...	...	...	...	2·01	1·34	1·34	3·35
1933	12·40	4·38	16·78	10·21	3·65	13·86	5·84	10·94	16·78	...	...	...	...	...	...	1·45	1·45	1·45
1934	12·61	0·74	13·35	11·13	8·16	19·28	6·67	9·64	16·32	...	...	...	...	...	...	...	...	...
1935	9·16	4·93	14·09	9·86	6·34	16·20	5·63	7·05	12·68	...	...	...	...	...	...	0·70	0·70	0·70
1936	7·69	0·85	8·54	7·69	0·85	8·54	0·85	2·56	3·41	...	...	...	...	...	...	0·85	0·85	0·85
Average for 10 yrs	7·78	2·90	10·68	8·05	5·73	13·78	6·53	12·23	18·76	...	...	...	0·21	0·21	0·55	0·50	0·50	1·05
1937	14·69	2·44	17·13	12·24	1·63	13·87	7·34	2·44	9·78	...	...	...	...	...	0·81	0·81	0·81	1·62
Lanes. County Council Elem. Schools for 1936	3·40	5·67	9·07	5·77	16·88	22·65	0·73	7·13	7·86	0·03	0·03	0·06	0·15	0·03	0·24	0·27	0·27	0·51

Year	Non-Pulmonary Tuberculosis Spine			Non-Pulmonary Tuberculosis Hip			Non-Pulmonary Tuberculosis Other Bones & Joints			Non-Pulmonary Tuberculosis Skin			Non-Pulmonary Tuberculosis Other Forms			Epilepsy		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1927	1.40	1.40	...	...	...	...	...	...	...	0.70	0.70	...	0.70	0.70
1928	0.62	...	...	0.62
1929	1.46	1.46	...	...	...	...	...	...	0.73	...	...	0.73	...	0.73
1930
1931	0.75	...	0.75	...	...	...	...	...	...	...	...	...	...	...	...	0.75	...	0.75
1932	0.67	...	0.67
1933	1.45	...	...	1.45
1934	0.70	...	0.74	0.74	...	...	...	...	0.74	...	0.74
1935
1936
Average for 10 yrs	0.07	...	0.07	...	0.28	0.28	...	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.21	0.36	0.36	0.57
1937	0.81	...	...	...	...	...
Lancs. County Council Elem. Schools for 1936	0.12	0.12	0.15	0.06	0.15	0.06	0.30	0.36	0.09	0.24	0.33

Year	Chorea			Other Conditions Nervous System			Rickets			Spinal Curvature			Other Forms Deformities			Other Defects and Diseases		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1927	...	0.70	0.70	1.40	6.33	7.73	...	3.51	3.51	0.70	0.70	1.40	6.33	9.85	16.18	34.48	27.44	61.92
1928	0.62	1.25	1.87	7.50	6.25	13.75	1.87	1.25	3.13	5.00	1.87	6.87	5.00	5.62	10.62	88.12	13.75	101.87
1929	0.73	0.73	1.46	3.66	8.78	12.44	2.92	...	2.92	4.39	...	4.39	8.78	13.90	22.69	19.03	16.83	35.87
1930	1.74	...	1.74	6.08	14.78	20.87	...	...	...	1.74	0.87	2.61	13.91	4.34	18.26	24.35	13.91	38.26
1931	2.25	0.75	3.00	6.01	11.26	17.28	0.75	0.75	1.50	0.75	0.75	1.50	9.01	9.01	18.02	22.54	15.02	37.56
1932	1.34	0.67	2.01	6.71	12.08	18.79	1.34	0.67	2.01	5.36	...	5.36	8.72	9.39	18.11	20.80	15.43	36.23
1933	2.19	...	2.19	5.11	10.94	16.05	...	0.73	0.73	1.45	2.19	3.64	3.65	4.38	8.03	16.05	18.24	34.29
1934	1.48	...	1.48	5.19	10.38	15.58	...	0.74	0.74	3.71	3.71	7.42	8.16	14.09	22.25	14.09	8.90	22.99
1935	1.41	2.12	3.53	5.63	7.75	13.38	2.12	...	2.12	7.75	0.70	8.45	7.05	12.68	19.73	16.91	13.39	30.30
1936	1.70	...	1.70	6.83	10.26	17.09	...	...	...	5.12	...	5.12	10.25	5.98	16.23	32.48	20.51	52.99
Average for 10 yrs	1.34	0.62	1.96	5.41	9.88	15.29	0.90	0.76	1.66	3.59	1.08	4.67	8.09	8.92	17.01	28.88	16.34	45.22
1937	0.81	0.81	1.62	10.61	6.53	17.14	...	...	...	2.44	0.81	3.25	11.42	9.79	21.21	36.73	16.32	53.05
Lancs. County Council Elem. Schools for 1936	0.27	0.33	0.60	0.27	0.91	1.18	0.76	4.64	5.40	0.94	2.82	3.76	8.41	19.40	27.81	9.17	18.73	27.90

SPECIAL INSPECTIONS.

987 Special Inspections have been made during the year, the children inspected under this category including:—

- A. Children brought forward by the Head Teacher at the School at the time of my Routine Inspection.
- B. Children brought to the Clinic by parents, or sent direct from school to the Clinic.
- C. Children inspected for a particular object, i.e., admission to Open Air School, visit to Convalescent Home, or suitability for part-time employment.

Comparative figures are not applicable for the results of the Special Inspections, as in most of the cases it is the evidence of a defect, which has necessitated the medical inspection.

A summary of the defects found as a result of the Special Inspections is:—

	Requiring treatment.	Requiring observation, but not requiring treatment.
Defect or Disease of the Skin	126	... 4
Defect or Disease of the Eye	22	... 2
Defective Vision, including Squint	13	... 1
Defective Hearing	3	... —
Diseases of the Ear	18	... 1
Diseases of the Nose and Throat	102	... 16
Defective Speech	3	... 1
Enlarged Cervical Glands (Non-Tuberculous)	25	... 3
Defect or Disease of Heart and Circulation ...	47	... 4
Defect or Disease of Lungs (Non-Tuberculous)	48	... 6
Defect or Disease of Nervous System	41	... 3
Tuberculosis (definite or suspected)	2	... —
Deformities	13	... 3
Other Defects and Diseases	149	... 27
	<hr/>	<hr/>
Total	612	... 71

Combining the results of the Routine and Special Inspection in terms of the defects found, both for treatment and observation, we get the following table. From this can be ascertained which defects are the most prevalent, and as the figures for 1936 are given, how the figures for 1937 compare therewith.

The medical inspections during 1936 revealed 1,198 defects and from the following table it will be seen that 888 had been cured, 230 were improved and 80 were either unchanged or not seen owing to the child having left school. These figures represent 74.12% cured, 19.20% improved and 6.68% unchanged or not seen.

RE-EXAMINATION SUMMARY.

Defect or Disease.	Number found in 1936.		Result of Re-inspection, 1937.		
	Referred for Treatment	Referred for Observation	Cured	Improved	Unchanged absent or left school
Malnutrition (slightly subnormal)	—	38	22	12	4
Defect or Disease of Skin	133	4	127	7	3
Defect or Disease of Eye	22	1	21	2	—
Defective Vision and Squint	154	17	145	15	11
Defect or Disease of Ear	46	7	45	8	—
Defective Hearing	9	3	12	—	—
Defect or Disease of Nose and Throat	177	10	125	39	23
Enlarged Cervical Glands (Non Tuberculous)	43	22	40	20	5
Defective Speech	2	4	4	1	1
Defect or Disease of Heart and Circulation	48	13	31	20	10
Defect or Disease of Lungs (Non Tuberculous) ...	66	8	46	24	4
Tuberculosis (Definite or Suspected)	2	1	2	1	—
Defect or Disease of Nervous System	41	20	35	21	5
Deformities	28	9	22	12	3
Other Defects or Diseases	218	52	211	48	11
Totals	989	209	888	230	80

FOLLOWING UP MEDICAL INSPECTIONS.

It is necessary with certain defects, for children to be referred to their own medical practitioner, and in order to keep in touch with these cases to see that the advice has been carried out and treatment given, the nurse has to visit the homes to interview the parents or see the children at school. It is also found in some of the minor defects that the children do not attend the School Clinic for treatment, and the nurse has to follow up these cases to ascertain if the requisite treatment has been given. On occasions when no parent or guardian is present at the medical inspection, it is necessary that the nurse should visit the home to acquaint them of the findings of the inspection.

A statement is prepared at the end of the year to give an indication as to how the defects found during the year are progressing, and the following up of the nurses shows that of 1,136 defects found during the year, 64.26% had been cured, 26.58% were improved, leaving 9.16% showing little change.

HOME VISITING.

During the year 786 homes have been visited by the School Nurses and 831 visits paid.

EXAMINATION OF CHILDREN AS REGARDS CLEANLINESS.

The School Nurses have paid 85 surprise visits to the schools and made 12,639 examinations as regards cleanliness. 3,601 individual children were examined and of these 3,364 were found satisfactory. Details of the results of the examinations are:—

Number of boys examined	1788		
Number clean	1750	or	97.87%
Number with few nits	3	or	0.17%
Number with many nits	24	or	1.34%
Number with pediculi	11	or	0.62%
Number of girls examined	1813		
Number clean	1614	or	89.02%
Number with few nits	53	or	2.92%
Number with many nits	123	or	6.79%

Number with pediculi	23	or	1.27%
Total children examined	3601		
Number clean	3364	or	93.42%
Number with few nits	56	or	1.56%
Number with many nits	147	or	4.08%
Number with pediculi	34	or	0.94%

For comparative purposes the figures for 1936, along with this year's figures are submitted as follows:—

		Percentage of children examined found to have					
		Few Nits		Many Nits		Pediculi	
		Boys	Girls	Boys	Girls	Boys	Girls
1937		0.17	2.92	1.34	6.79	0.62	1.27
1936		0.00	2.98	1.07	8.16	0.65	2.59

It will be noted that the figures for 1937 show a slight improvement on the figures for the previous year.

In the course of the medical inspections 14 cases of Scabies were found and these all received treatment at the School Clinic. In these cases it was found that contact outside school was responsible for the spread of the infection.

Co-ordination with the Public Health Department is maintained in dealing with the treatment of this disease.

TREATMENT OF DEFECTS.

The School Clinic has been open on 267 days during the year with an average daily attendance of approximately 32.

Children attend the Clinic for medical Inspection, advice or treatment and the following table shows the number of each particular defect which has necessitated attendance at the Clinic. For comparative purposes each defect is calculated per 1,000 school children and the corresponding figures for the two previous years are included.

DEFECT OR DISEASE	Number found or suspected in 1937	Rate per 1000 school children		
		1937	1936	1935
Impetigo	119	31.31	30.39	23.75
Eczema	13	3.42	1.81	3.00
Seborrhoea	24	6.31	8.83	7.25
Alopecia	1	0.26	1.04	2.00
Septic Sores	89	23.42	22.33	19.75
Ringworm	4	1.05	1.81	5.25
Other Skin Diseases	108	28.42	34.02	27.25
Verminous and Sore Heads	7	1.84	0.78	1.25
Vision	241	63.42	74.54	74.50
Blepharitis	11	2.89	5.97	5.25
Conjunctivitis	11	2.89	4.41	6.25
Other Eye Diseases	21	5.52	9.09	4.50
Otorrhoea	25	6.57	10.64	8.50
Wax in Ears	19	5.00	7.01	4.00
Other minor Ear Defects	13	3.42	6.23	4.50
Tonsillitis	36	9.47	15.84	20.00
Tonsils and Adenoids	46	12.10	10.64	2.00
Pharyngitis	12	3.15	4.41	0.50
Other Diseases of the Nose and Throat	46	12.10	14.80	22.75
Enlarged Thyroid	—	—	0.26	1.00
Enlarged Glands (Non-Tuberculous)...	57	14.73	16.88	14.00
Heart Disease	10	2.63	2.08	1.00
Diseases of Lungs and Chest	75	19.73	22.59	17.50
Pre Tuberculosis (Pulmonary)	—	—	—	—
Non-Pulmonary Tuberculosis	—	—	—	—
Chorea	25	6.57	9.09	9.25
Nervous Debility	10	2.63	5.97	6.75
Swollen Joints and Swellings	12	3.15	5.19	6.25
Rickets	—	—	—	—
Crippling Defects	—	—	3.89	3.50
Debility	163	42.89	37.40	52.25
Infectious Diseases	121	31.84	22.85	25.75
Minor Accidents	151	39.73	57.14	48.50
Other Defects or Diseases	187	49.21	63.63	47.25

In regard to the actual treatment of defects, the Local Authority's scheme at the School Clinic provides only for the treatment of:—

- (a) Minor eye defects.
- (b) Minor ear defects.
- (c) Minor skin diseases.
- (d) Slight defects of the nose and throat.
- (e) Minor injuries, bruises, etc.
- (f) Crippling defects.
- (g) Defective vision, including refractions and the provision of spectacles.

In these cases Clinic treatment is optional, and the parents of the children are always at liberty to consult their own medical practitioner, and to accept treatment from him if they so desire. For all other cases where medical treatment is required the parents are instructed to call in their own doctor. The Local Authority has no scheme for operative treatment such as in certain cases of nose and throat defects involving tonsils and adenoids, and these cases are referred to private practitioners.

At the Clinic during the year, 1,886 defects were treated, this number comprising 518 defects or diseases of the skin, 65 minor eye defects, 60 minor ear defects, 902 minor injuries, bruises, etc., 125 defects of the nose and throat, 68 orthopædic or postural defects and 148 errors of refraction.

The Nurses' reports show that 8 defects or diseases of the skin, 7 ear defects, 73 minor injuries, 46 defects of the nose and throat and 11 cases of defective vision have received treatment privately and independently of the Authority's scheme. The primary diagnosis of these defects took place at either a routine or special inspection.

This gives a total of 2,031 defects which have received treatment during the year. At the beginning of the year there were 131 defects under treatment at the Clinic, 1,526 new defects were admitted during the year, and 1,536 were discharged. This leaves 121 defects receiving treatment at the end of the year.

148 cases of defective vision have received treatment and examination to determine the error of refraction, and in 120 cases spectacles have been prescribed. Under the Authority's scheme 117 pairs of spectacles have been supplied.

Analysis of the 120 cases requiring spectacles in respect of the particular defect found is:—

Hypermetropia	19
Hypermetropic Astigmatism	28
Hypermetropia and Hypermetropic Astigmatism...	23
Myopia	27
Myopic Astigmatism	3
Myopia and Myopic Astigmatism	13
Other Defects	7

It will be noted that whereas 241 cases attended the Clinic for suspected defective vision, in only 148 cases was it found necessary for a test for error of refraction to be carried out.

In the other cases the primary tests revealed that no further treatment was necessary.

ORTHOPÆDIC CLINIC.

This Clinic, organised by the Lancashire County Council co-jointly with the Nelson and Colne Authorities, is held weekly on Fridays at the School Clinic, Carr Road, Nelson. An orthopædic nurse appointed by the County Council attends on these days, and once each month an orthopædic consultant, also appointed by the County Council, attends for the examination of new cases, or the re-examination of cases under treatment.

The Clinic is a combined one for dealing with children both of school age and under, from Nelson, Colne and from the immediate surrounding area under the jurisdiction of the County Council medical services.

The following details of the work at the Orthopædic Clinic refer only to Nelson children of school age.

No. of times Clinic has been open during the year	30
Total number of school children on the books at 31st December, 1936	79
Total number of cases admitted during the year	31
Included in these are—New admissions	17
Transferred from Infant Welfare Centre	14
No. of cases discharged during the year	26
„ „ on books at 31st December, 1937	84
No. of children on books who did not attend during 1937 ...	44
No. of children in attendance during 1937	66
No. of attendances made by these children	273
Average attendance per session	9.1
„ „ „ child for the year	4.1

No. of school children at Biddulph on 31st December, 1936	1
„ „ „ sent to Biddulph during the year	4
„ „ „ discharged from Biddulph during the year	3
„ „ „ at Biddulph, 31st December, 1937 ...	2

An analysis of the attendances made per child during the year is:—

Number of children making 1 attendance	23
„ „ „ 2 attendances	14
„ „ „ 3 „	8
„ „ „ 4 „	4
„ „ „ 5 „	2
„ „ „ 6 „	2
„ „ „ 7 „	4
„ „ „ 8 „	1
„ „ „ 10 „	1
„ „ „ 11 „	1
„ „ „ 12 „	1
„ „ „ 15 „	1
„ „ „ 18 „	2
„ „ „ 19 „	1
„ „ „ 21 „	1

The following table shows in a degree the location of the defects found in the children who have been on the register during the year.

Defect or deformity of the spine	4
Defect or deformity of the arms or hands	8
Defect or deformity of the hip	7
Defect or deformity of the leg or foot	77
General defect or deformity which may be due to rickets, infantile paralysis, etc.	26
Total	122

EMPLOYMENT OF CHILDREN AND YOUNG PERSONS.

During the year 72 boys and 1 girl have been examined following their application for part-time employment certificates. In all the cases the certificates were granted. The nature of the employment to be followed was: 25 in the delivery of milk, 46 in the delivery of newspapers and 2 for other employment.

EXCEPTIONAL CHILDREN.

The list of exceptional school children is amended from year to year, and the following summary shows the number of these children on the books at the end of the year under review.

Blind	Nil
Partially Sighted	3
Deaf	Nil
Partially Deaf	2
Mentally Defectives	12
Epileptics, severe	Nil
Pulmonary Tuberculosis	1
Non-Pulmonary Tuberculosis	20
Delicate Children	125
Cripples, i.e., those with a severe degree of crippling such as to interfere with a normal mode of life	12
Heart Disease, severe	5
Multiple Defects, not included above	3

The allocation of these children in regard to school is:—

Number attending certified Blind School	3
„ „ „ Deaf School	2
„ „ „ Mentally Defective School	12
„ „ Open Air School	123
„ in Sanatorium or Hospital	6
„ attending Public Elementary School	26
„ who do not attend school	11

The following table gives an approximate idea of the number of exceptional children of school age in the area, calculated per 1,000 school children.

Blind or Partially Sighted	0.78
Deaf or Partially Deaf	0.52
Mentally Defective	3.15
Epileptics, severe	—
Pulmonary Tuberculosis	0.26
Non-Pulmonary Tuberculosis	5.26
Delicate Children	32.89
Cripples	3.15
Heart Disease	1.31
Multiple Defects	0.78

No notification of a school child has been made to the local mental deficiency authority during the year.

OPEN AIR SCHOOL.

No changes have been made during the year in the arrangements for the admission of children to the Open Air School or in their treatment whilst at the school.

In the following tables details are given of the admissions to the school, the discharges therefrom, showing the length of stay at the school and the gain in height and weight of each child, the work carried out by the Nurse, and the attendances throughout the year.

There were 130 children in attendance at the beginning of the year, 68 children admitted during the years and 75 children discharged, leaving 123 children in attendance at the end of the year. The average length of time at the school by the children who have been discharged during the year is 17.8 months.

	Boys.	Girls.	Total.
No. of children in attendance 31st December, 1936	67	63	130
„ „ admitted during the year	34	34	68
„ „ discharged during the year	37	38	75
„ „ in attendance 31st December, 1937	64	59	123

	Highest.	Lowest.	Average
Percentage of attendance 1st Quarter	86.1	55.7	79.0
„ „ 2nd „	94.7	85.1	91.2
„ „ 3rd „	91.9	87.5	89.9
„ „ 4th „	88.9	73.2	82.8

Particulars regarding children admitted during the year.

No. of Children admitted ... 68																							
Defect or disease necessitating admission	BOYS. Ages of Children.											GIRLS. Ages of Children.											Total Boys and Girls
	Ages of Children.											Ages of Children.											
	5	6	7	8	9	10	11	12	13	Total	5	6	7	8	9	10	11	12	13	Total			
Anæmia	1	4	2	...	2	...	...	...	9	...	1	1	1	2	1	2	...	...	8	17	
Debility	2	3	3	...	2	1	...	...	11	...	...	6	2	2	2	...	...	...	11	22	
Bronchitis	1	...	1	1	...	...	...	3	...	2	...	...	...	...	...	...	...	2	5		
Chorea	1	...	2	...	...	...	...	3	...	1	1	...	...	...	1	...	...	3	6		
Nervous Debility	1	...	...	...	...	...	...	...	1	1		
Enlarged Glands	1	...	1	1	...	...	...	...	3	...	...	...	1	...	...	...	...	...	1	4	
Rheumatism	1	...	...	1	...	...	...	2	...	1	1	...	...	...	1	...	...	3	5		
Bronchiectasis	1	...	...	...	...	1	1		
Adenitis	1	...	...	...	...	...	...	...	1	1		
Asthma	1	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	1	2		
Pre-tubercular	2	...	...	2	...	...	2	...	...	1	...	...	1	...	...	...	2	4		
Total	4	10	9	4	6	1	...	...	34	...	1	8	11	5	5	3	1	...	34	68	

Particulars of children discharged during the year.

GIRLS 38

Age of child on discharge.	Length of stay at school in months.	Defect or disease on admittance.	Gain in weight in pounds.	Gain in height in inches.	
10	...	6	...	Debility	7½ ... ½ Left town
12	...	6	...	Chorea	4 ... — Discharged, Parents' req't
11	...	7	...	Debility	2 ... ¼
8	...	8	...	Anæmia	3½ ... 1
9	...	8	...	Debility	6 ... 1
10	...	8	...	Debility	9½ ... 1½
6	...	9	...	Debility	3¼ ... ¾
8	...	11	...	Chorea	2 ... 2½ Trans. to Biddulph
10	...	11	...	Bronchitis	6½ ... 2¼
7	...	11	...	Anæmia	8½ ... 2¼
10	...	11	...	Debility	6 ... 7
13	...	11	...	Debility	13¼ ... 2¾
12	...	12	...	Debility	11 ... 1¼
13	...	12	...	Anæmia	12¼ ... 2¼
11	...	14	...	Debility	9 ... 4½
12	...	14	...	Rheumatism	8 ... 3
8	...	14	...	Anæmia	9 ... 3
13	...	14	...	Debility	4 ... 4½
7	...	14	...	Debility	11 ... 3½
12	...	15	...	Anæmia	13¾ ... 3½
10	...	16	...	Adenitis	11½ ... 3
12	...	16	...	Debility	13 ... 2¼
11	...	16	...	Anæmia	27 ... 4¾
7	...	16	...	Debility	8 ... 3½
9	...	17	...	Bronchiectasis	6 ... 1¼
10	...	18	...	Chorea	10 ... 4½
11	...	21	...	Debility	13 ... 3
12	...	22	...	Chorea	16¼ ... 3¼
10	...	26	...	T.B. Contact	9 ... 6¼
9	...	26	...	Post Nasal Catarrh	9½ ... 4½
9	...	26	...	Debility	15½ ... 4¾
9	...	26	...	Enlarged Glands	9 ... 5½
12	...	29	...	Anæmia	25½ ... 5¼
11	...	31	...	Bronchitis	20 ... 9
9	...	32	...	Anæmia	11¾ ... 5½
13	...	33	...	Debility	29 ... 8
13	...	37	...	Debility	27 ... 6
11	...	41	...	Anæmia and Pre-Tubercular	19½ ... 7

BOYS 37

Age of child on discharge.	Length of stay at school in months.		Defect or disease on admittance.	Gain in weight in pounds.	Gain in height in inches.		
8	...	—	...	Debility	—	...	— Did not attend. Left town
8	...	5	...	Bronchial Asthma	—	...	— Did not attend (Illness)
8	...	5	...	Debility	$1\frac{1}{2}$	...	$1\frac{1}{4}$
13	...	7	...	Debility	$3\frac{1}{4}$	...	$1\frac{1}{4}$
9	...	7	...	Debility	$4\frac{1}{4}$	...	$1\frac{1}{2}$
13	...	8	...	Rheumatism	$11\frac{1}{4}$	...	$2\frac{1}{4}$
11	...	8	...	Chorea	7	...	$5\frac{1}{4}$
13	...	8	...	Anæmia	$7\frac{1}{2}$	...	$1\frac{1}{2}$
10	...	11	..	Chorea	$4\frac{1}{2}$	...	$1\frac{3}{4}$
8	...	11	...	Chorea	$7\frac{1}{2}$	...	$2\frac{3}{4}$
9	...	11	...	Debility	5	...	2
8	...	12	...	Debility	5	...	$2\frac{1}{2}$
8	...	14	...	Anæmia	7	...	$2\frac{1}{2}$
10	...	14	...	Debility	$13\frac{1}{2}$	...	$3\frac{1}{2}$
10	...	15	...	Post Chorea	$6\frac{1}{2}$	...	3
8	...	16	...	Anæmia	$8\frac{1}{2}$	...	3
11	...	17	...	Debility	$8\frac{3}{4}$	...	$3\frac{1}{4}$
12	...	17	...	Bronchitis	$7\frac{1}{4}$	...	3
8	...	17	...	Bronchial Asthma	7	...	$3\frac{1}{4}$
10	...	17	...	Anæmia	$9\frac{1}{2}$	...	$3\frac{1}{4}$
10	...	17	...	Debility	12	...	$3\frac{1}{4}$
9	...	19	...	Bronchiectasis	$9\frac{1}{2}$	...	5
8	...	19	...	Debility	$8\frac{1}{2}$	...	$3\frac{3}{4}$
10	...	23	...	Debility	$12\frac{3}{4}$	...	$3\frac{1}{4}$
11	...	23	...	Chorea	13	...	3
9	...	23	...	Anæmia	$15\frac{1}{2}$	...	$5\frac{3}{4}$
11	...	23	...	Debility	$12\frac{1}{2}$	...	3
12	...	24	...	Debility	18	...	$3\frac{3}{4}$
10	...	25	...	Nervous Debility	$8\frac{3}{4}$	...	4
11	...	25	...	Debility	15	...	4
8	...	29	...	Anæmia	$14\frac{3}{4}$	...	$5\frac{3}{4}$
11	...	29	...	Bronchial Asthma	$16\frac{1}{2}$	...	5
10	...	32	...	Chronic Bronchitis	15	...	$5\frac{1}{2}$
9	...	33	..	Anæmia	$12\frac{1}{2}$	...	$3\frac{1}{2}$
10	..	35	..	Bronchitis	13	...	$5\frac{1}{4}$
10	...	37	..	Nervous Debility	$20\frac{1}{2}$	...	$7\frac{1}{2}$
11	...	38	...	Anæmia	$20\frac{3}{4}$	..	5

TREATMENTS AT OPEN AIR SCHOOL.

Number of children receiving Clinic treatment	128
Number of defects treated	289
Number of treatments carried out	3158

The treatments are carried out by the Schol Nurse, who is in attendance at the school either morning or afternoon on each day the school is open. In addition to giving necessary treatments, the Nurse undertakes supervision of the weekly bathing.

Details of the treatments are :—

Defect or Disease.	Number of Defects.	Number of treatments carried out.
Impetigo	12	163
Other Skin Diseases	36	369
Blepharitis	8	38
Other diseases of the eye	7	33
Enlarged Tonsils	6	49
Inflamed Tonsils	6	31
Other diseases of the nose and throat ...	18	258
Otorrhoea	7	227
Defective hearing	1	6
Wax in ears	5	27
Enlarged Glands	10	346
Other disease or defects	172	1611
Ringworm of skin	1	13

CONVALESCENT HOME.

Through the generosity of the Managers and Secretary of the Thursby Convalescent Home, Lytham St. Annes, the practice of sending children to this home for convalescence has been continued during the year. 36 girls and 22 boys have been sent, and in 3 instances the child has been sent on a second occasion during the year.

The usual procedure is adopted, and each child has two medical inspections prior to being sent to the home. The first inspection being for the suitability for treatment, and the second to ensure freedom from infectious disease.

INFECTIOUS DISEASES.

A decrease in the number of cases of Scarlet Fever and Diphtheria amongst school children is noticeable when compared with the figures for the previous year. The number of cases reported being 12 Scarlet Fever and 17 Diphtheria, whilst the figures for the previous year were 44 Scarlet Fever and 47 Diphtheria.

Throughout the year there has been no epidemic of either notifiable or the common non-notifiable infectious diseases. Sporadic cases occurred of Mumps, Chickenpox and Measles, and to these could be traced a few further cases, but no extensive spread of infection was noticeable. A mild form of Influenza was prevalent in the early months of the year, a catarrhal cold being the commonest form of attack. There were however cases accompanied by chest and throat affections, but the majority of these were not serious. Towards the close of the year a catarrhal form of Diarrhœa was prevalent. This was not confined solely to school children. In the majority of cases the attack soon subsided, but convalescence was prolonged in a number of others.

The deaths occurring amongst school children numbered 6 during the year, the mortality rate being 1.56 per 1,000 school children, a decrease of 0.78 on the rate for 1936.

Details of the deaths occurring during 1937 are :—

Age.	Sex.	Cause of death.
5	F.	Meningitis (Non T.B.).
6	F.	Cardiac failure.
6	F.	Tuberculous Meningitis.
10	M.	Broncho Pneumonia.
12	M.	Accidental.
13	M.	Cardiac failure.

Comparison with the deaths of school children in the five previous years is :—

	Number of deaths.	Mortality Rate per 1,000 school children.
1936	9	2.34
1935	8	2.00
1934	13	3.12
1933	6	1.38
1932	8	1.88

PROVISION OF MILK TO SCHOOL CHILDREN.

There has been no change in the scheme during the year. The milk is derived from herds which have satisfied the Tuberculin Test, and samples are tested from time to time in the Public Health Laboratory, Nelson, to note the quality of the milk.

During the year 560,231 bottles of milk each containing $\frac{1}{3}$ pint have been supplied to school children. This is an increase of 50,494 bottles on the number for the previous year. The figure of 560,231 bottles represents a consumption of approximately 23,342 gallons of milk.

The milk is supplied to the whole of the elementary schools in the Borough, and Mr. Shepherd the Director of Education has kindly supplied me with the following figures giving particulars relative thereto.

School	Average No. of children on rolls	Date of commencement of scheme for year	No. in receipt of milk at commencement	Weekly average No. of children taking milk	Total No. of bottles of milk supplied
Bradley Senior	191	1st January, 1937	141	150	25,933
Bradley Infants	212	do.	141	153	25,188
Bradshaw Street Junior "A"	267	do.	191	228	41,661
Bradshaw Street Junior "B"	274	do.	235	249	55,660
Bradshaw Street Infants	286	do.	189	202	40,010
Lomeshaye Junior	165	do.	153	158	32,767
Walverden Senior	263	do.	198	217	32,539
Walverden Infants	228	do.	151	163	33,167
Whitefield Senior	191	do.	146	170	28,740
Whitefield Infants	218	do.	169	173	45,287
Great Marsden Junior	257	do.	199	213	34,902
Great Marsden Infants	139	do.	100	102	14,907
Leeds Road Junior	203	do.	172	172	31,896
Leeds Road Infants	46	do.	38	38	7,150
Little Marsden	145	do.	91	95	14,042
Holy Saviour Mixed	133	do.	95	111	17,711
Holy Saviour Infants	73	do.	53	50	8,340
St. George's	133	do.	77	95	16,080
St. Joseph's Mixed	90	do.	66	63	11,667
St. Joseph's Infants	82	do.	45	49	7,928
Edge End Senior	283	do.	215	231	34,656
Grand Total	3,879	---	2,865	3,082	560,231

Percentage of bottles of milk supplied free ... 12.7%

PROVISION OF MEALS.

Free meals have been supplied in necessitous cases throughout the year, but it will be noted that the supply of teas in addition to dinners has been discontinued. The meals are provided on the premises of the caterers which are central and easy of access. Arrangements have been made by your Committee during the year whereby supervision is maintained over the arrangements.

At the commencement of the year 100 children were in receipt of free meals, and there were 101 children receiving meals at the close of the year. During the year 159 children have received meals, a total of 23,915 dinners having been supplied.

A comparison with the previous year's figures is shown in the following table.

Year.	No. receiving meals at		Total No.		Number		Number	
	Commencement	End of	of children	receiving	of	dinners.	of	teas.
	of year.	year.	meals.	meals.				
1937	100	101	159	23915	Nil			
1936	114	100	166	25140	379			
1935	144	114	228	35988	5117			
1934	197	144	303	40770	11229			
1933	194	197	291	47648	18050			
1932	140	194	426	52785	20396			
1931	74	140	238	30044	5023			

SWIMMING BATHS.

During the year there were 25,791 attendances of elementary school children at the Public Baths in Bradley Road. This figure shows an increase of 5,588 on the figure for 1936.

Attendance at the Baths for instruction in swimming is not compulsory, though it forms part of the school curriculum for the older scholars during the summer months, and every encouragement is given for the scholars to attend.

CONCLUSION.

For the successful working of the School Medical Services co-operation between the officers, nurses, teachers and parents is essential, and it is pleasing to report that throughout the year this co-operation has been maintained.

Where treatment has been considered necessary either at the Clinic or through Private Practitioners, I have experienced little difficulty in having the treatment carried out.

Every assistance has been given by the Director of Education and the members of his staff, and this has been beneficial to the working of the department.

During the year preparation has been made for the erection of a Nursery School. This school will be opened in the coming year and children in attendance there from the age of 2-5 years will to a certain extent come under the supervision of the School Medical Services.

I have received every assistance from the members of the staff of the School Medical Services Department, their duties having been carried out very efficiently throughout the year, all of which has contributed to a successful year's work.

I am, Ladies and Gentlemen,

Your obedient Servant,

R. G. MARKHAM, M.B., D.P.H.,

School Medical Officer.

TABLE I.

A.—ROUTINE MEDICAL INSPECTIONS.

Entrants	...	...	...	...	...	...	...	...	...	...	...
Second Age Group				...	...	...	...	...	...	...	...
Third Age Group	...			...	...	...	...	...	...	...	...

Total	1225
-------	-----	-----	-----	------

Number of other Routine Inspections Nil

Grand Total 1225

B.—OTHER INSPECTIONS.

Number of Special Inspections	987
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Number of Re-Inspections	1584
--------------------------	-----	-----	-----	-----	-----	-----	------

Total	2571
-------	-----	-----	-----	------

C.—CHILDREN FOUND TO REQUIRE TREATMENT.

Number of Individual Children found at Routine Medical Inspection to require Treatment (excluding Defects of Nutrition, Uncleanliness and Dental Diseases).

Prescribed Groups :

[illegible]

Second Age Group 104

'Third Age Group	66
-------------------------	----

Total (Prescribed Groups)	271
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Other Routine Inspections	Nil
---------------------------	-----	-----	-----	-----	-----	-----	-----

Grand Total	271
-------------	-----	-----	-----	-----

TABLE II.

**A.—Return of Defects found by Medical Inspection in the
Year ended 31st December, 1937.**

DEFECT OR DISEASE.		Routine Inspections		Special Inspections	
		No. of Defects		No. of Defects	
		Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment	Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment
Skin	(1) Ringworm — Scalp .....	...	...	...	...
	(2) „ „ Body .....	...	...	...	...
	(3) Scabies .....	...	...	14	...
	(4) Impetigo	3	...	31	1
	(5) Other Diseases (Non-Tuberculous)	8	2	81	3
Total (Heads 1 to 5)		11	2	126	4
Eye	(6) Blepharitis .....	...	...	2	...
	(7) Conjunctivitis	3	...	9	...
	(8) Keratitis .....	...	...	...	...
	(9) Corneal Opacities	1	...	2	...
	(10) Other Conditions (excluding Defective Vision and Squint)	2	3	9	2
	Total (Heads 6 to 10)	6	3	22	2
	(11) Defective Vision (excluding Squint)	71	1	9	...
Ear	(12) Squint	2	3	4	1
	(13) Defective Hearing	2	4	3	...
	(14) Otitis Media	2	...	9	...
Nose and Throat	(15) Other Ear Diseases	5	2	9	1
	(16) Chronic Tonsillitis only	38	10	40	...
	(17) Adenoids only	8	...	11	2
	(18) Chronic Tonsillitis and Adenoids	7	...	2	...
(20) Enlarged Cervical Glands (Non-Tuberculous)	(19) Other Conditions	27	5	49	14
		12	7	25	3
	(21) Defective Speech	3	6	3	1
Heart and Circulation	Heart Disease :				
	(22) Organic	2	2	...	4
	(23) Functional	2	4	3	...
Lungs	(24) Anæmia	18	3	44	...
	(25) Bronchitis	15	2	12	...
	(26) Other Non-Tuberculous Diseases	9	3	36	6

TABLE II.—*Continued.*

A.—Return of Defects found by Medical Inspection in the
Year ended 31st December, 1937.

DEFECT OR DISEASE		Routine Inspections		Special Inspections	
		No. of Defects		No. of Defects	
		Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment	Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment
Tuberculosis	Pulmonary :				
	(27) Definite .....	...	...	...	...
	(28) Suspected .....	...	...	...	...
	Non-Pulmonary :				
	(29) Glands	1	1	1	...
	(30) Bones and Joints .....	...	...	...	...
	(31) Skin .....	...	...	...	...
	(32) Other Forms	1	...	...	...
	Total (Heads 29 to 32)	2	1	1	...
Nervous System	(33) Epilepsy .....	...	...	...	3
	(34) Chorea	1	1	23	...
	(35) Other Conditions	13	8	18	...
Deformities	(36) Rickets .....	...	...	...	...
	(37) Spinal Curvature	3	1	2	...
	(38) Other Forms	14	12	11	3
	(39) Other Defects and Diseases (excluding Defects of Nutrition, Uncleanliness and Dental Diseases)	45	20	149	27
	Total	318	100	611	71

B.—Classification of the Nutrition of Children Inspected during
the Year in the Routine Age Groups.

AGE GROUPS	Number of Children Inspected	A (Excellent)		B (Normal)		C (Slightly subnormal)		D (Bad)	
		No.	%	No.	%	No.	%	No.	%
Entrants	389	1	·26	376	96·66	11	2·82	1	·26
Second Age Group	410	3	·73	399	97·32	8	1·95	...	...
Third Age Group	426	4	·94	405	95·07	17	3·99	...	...
Other Routine Inspect's	...	...	...	...	...	...	...	...	...
Total.....	1225	8	·65	1180	96·33	26	2·94	1	·08

TABLE III.

Return of all Exceptional Children in the Area.

BLIND CHILDREN.

At Certified Schools for the Blind	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	—	Nil.

PARTIALLY SIGHTED CHILDREN.

At Certified Schools for the Blind	At Certified Schools for the Partially Sighted	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
3	—	—	—	—	3

DEAF CHILDREN.

At Certified Schools for the Deaf	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	—	Nil.

PARTIALLY DEAF CHILDREN.

At Certified Schools for the Deaf	At Certified Schools for the Partially Deaf	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	2	—	—	—	2

MENTALLY DEFECTIVE CHILDREN.

Feeble-Minded Children.

At Certified Schools for Mentally Defective Children	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
12	—	—	—	12

EPILEPTIC CHILDREN.

Children suffering from Severe Epilepsy.

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	—	Nil.

PHYSICALLY DEFECTIVE CHILDREN.

A.—Tuberculous Children.

I.—Children suffering from Pulmonary Tuberculosis.

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	1	—	—	1

II.—Children suffering from Non-Pulmonary Tuberculosis.

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
6	11	3	—	20

B.—Delicate Children.

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
117	8	—	—	125

C.—Crippled Children.

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	6	3	3	12

D.—Children with Heart Disease.

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	5	5

CHILDREN SUFFERING FROM MULTIPLE DEFECTS.

Combination of Defect.	At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
Mentally Defective and Epileptic	—	—	—	1	1
Mentally Defective and Cripple	—	—	—	2	2

TABLE IV.

Year ended 31st December, 1937.

TREATMENT TABLES.

GROUP I.—Minor Ailments (excluding Uncleanliness, for which see Table VI.).

DISEASE OR DEFECT.	Number of Defects treated, or under treatment during the year		
	Under the Authority's Scheme	Otherwise	Total
Skin—			
Ringworm-Scalp—			
(i) X-Ray Treatment. If none, indicate by dash ... ..	...	...	...
(ii) Other Treatment ... ..	...	...	...
Ringworm-Body	5	...	5
Scabies	20	...	20
Impetigo	129	...	129
Other skin disease	364	8	372
Minor Eye Defects—(External and other, but excluding cases falling in Group II.)	65	...	65
Minor Ear Defects	60	7	67
Miscellaneous (e.g., minor injuries, bruises, sores, chilblains, etc.) ...	902	73	975
Total	1545	88	1633

GROUP II.—Defective Vision and Squint (excluding Minor Eye Defects treated as Minor Ailments—Group I.).

	No. of Defects dealt with		
	Under the Authority's Scheme	Other-wise	Total
Errors of Refraction (including Squint) (Operations for squint should be recorded separately in the body of the School Medical Officer's Report)	148	11	159
Other defect or disease of the eyes (excluding those recorded in Group I.) ... ..	...	...	...
Total	148	11	159
No. of Children for whom spectacles were			
(a) Prescribed	120	11	131
(b) Obtained	117	11	128

TABLE IV.—Continued.

GROUP III.—Treatment of Defects of Nose and Throat.

NUMBER OF DEFECTS.													
Received Operative Treatment.										Received other forms of Treatment	Total number Treated		
Under the Authority's Scheme in Clinic or Hospital				By Private Practitioner or Hospital apart from the Authority's Scheme				Total					
(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)		
...	32	6	6	2	32	6	6	2	125	171

(i) Tonsils only. (ii) Adenoids only. (iii) Tonsils and adenoids.
(iv) Other defects of the nose and throat.

GROUP IV.—Orthopædic and Postural Defects.

	Under the Authority's Scheme			Otherwise			Total number treated
	Residential treatment with education.	Residential treatment without education.	Non-residential treatment at an orthopaedic clinic.	Residential treatment with education.	Residential treatment without education.	Non-residential treatment at an orthopaedic clinic.	
Number of children treated	5	1	68	—	—	—	74

GROUP V.—Dental Inspection and Treatment.

(1) Number of children inspected by the Dentist.		No.
(a) Routine age-groups.	Aged 5	—
	6	386
	7	422
	8	415
	9	395
	10	416
	11	411
	12	377
	13	379
	14	—
Total		3201
(b) Specials		Nil
(c) Total (Routine and Specials)		3201
(2) Number found to require treatment		2268
(3) Number actually treated		1341
(4) Attendances made by children for treatment		1341
(5) Half-days devoted to :—		
Inspection		63
Treatment		108
		171
(6) Fillings : Permanent Teeth		238
Temporary Teeth		15
		253
(7) Extractions : Permanent Teeth		197
Temporary Teeth		2115
		2312
(8) Administrations of general anaesthetics for extractions		Nil
(9) Other Operations : Permanent Teeth		354
Temporary Teeth		664
		1018

GROUP VI.—Uncleanliness and Verminous Condition.

(i) Average number of visits per school made during the year by the School Nurses	4
(ii) Total number of examinations of children in the Schools by School Nurses	12639
(iii) Number of individual children found unclean	237
(iv) Number of individual children cleansed under Section 87 (2) and (3) of the Education Act, 1921	Nil
(v) Number of cases in which legal proceedings were taken :—	
(a) Under the Education Act, 1921	Nil
(b) Under School Attendance Byelaws	Nil

TABLE V.

Defects found in course of Medical Inspection (Routine and Specials) followed up by the School Nurses.

DEFECT OR DISEASE.		Total number found and referred for treat- ment or observa- tion	Number found to be cured	Number found to be im- proved	Number found to be un- changed or not seen
SKIN	Ringworm { Head .....	...	...	...	...
	{ Body .....	...	...	...	...
	Scabies	14	10	4	...
	Impetigo	35	33	2	...
	Other Diseases (Non- Tuberculous)	94	86	7	1
EYE	Blepharitis	2	2	...	...
	Conjunctivitis	12	11	1	...
	Keratitis .....	...	...	...	...
	Corneal Opacities	3	2	...	1
	Other Conditions	16	13	3	..
	Defective Vision	81	67	2	12
EAR	Squint	10	1	7	2
	Defective Hearing	9	5	4	...
	Otitis Media	11	10	1	...
NOSE AND THROAT	Other Ear Diseases	17	14	2	1
	Chronic Tonsillitis only	88	53	24	11
	Adenoids only	21	9	10	2
	Chronic Tonsillitis and Adenoids	9	3	4	2
Other Conditions		95	60	25	10
Enlarged Cervical Glands (non-Tubercular)		47	20	13	4
Defective Speech		13	1	9	3

TABLE V.—*Continued.*

Defects found in course of Medical Inspection (Routine and Specials) followed up by the School Nurses.

DEFECT OR DISEASE.		Total number found and referred for treatment or observation	Number found to be cured	Number found to be improved	Number found to be unchanged or not seen
HEART AND CIRCULATION	Heart { Organic	8	...	4	4
	Disease { Functional	9	...	5	4
	Anæmia	65	34	24	7
LUNGS	Bronchitis	29	16	11	2
	Other Non-Tubercular Diseases	54	42	12	...
TUBERCULOSIS	Pulmonary {	Definite ....	...	...	...
		Suspected .....	...	...	...
		Glands	3	2	1
	Non-Pulmonary {	Bones and Joints .....	...	...	...
		Skin .....	...	...	...
		Other Forms	1	1	...
NERVOUS SYSTEM ...	Epilepsy	3	...	...	3
	Chorea	25	11	10	4
	Other Conditions	39	17	19	3
DEFORMITIES	Rickets .....	...	...	...	...
	Spinal Curvature	6	1	4	1
	Other Forms	40	14	24	2
Other Defects and Diseases		241	169	51	21
MALNUTRITION	Slightly Sub-normal	35	16	16	3
	Bad	1	...	1	...
TOTALS.....		1136	730	302	104

TABLE VI.

Defects found in course of Medical Inspection, 1936, and
re-examined by School Medical Officer in 1937.

DEFECT OR DISEASE.		Number found in 1936		Result of Inspection in 1937		
		Referred for Treat- ment	Referred for Observa- tion	Number cured	Number im- proved	Number un- changed, absent or left School
SKIN	Ringworm { Head	2	...	2	...	...
	{ Body ..	3	...	3	...	...
	Scabies	21	4	22	1	2
	Impetigo	29	...	29	...	...
	Other Diseases (Non- Tuberculous)	78	...	71	6	1
EYE	Blepharitis	5	...	4	1	...
	Conjunctivitis	8	...	8	...	...
	Keratitis .....	...	...	...	...	...
	Corneal Opacities	2	...	2	...	...
	Defective Vision	150	11	140	12	9
	Squint	4	6	5	3	2
	Other Conditions	7	1	7	1	...
EAR	Defective Hearing	9	3	12	...	...
	Otitis Media	20	5	22	3	...
	Other Ear Diseases	26	2	23	5	...
NOSE AND THROAT	Chronic Tonsillitis only	47	4	27	12	12
	Adenoids only	6	1	4	3	...
	Chronic Tonsillitis and Adenoids	6	...	4	2	...
	Other Conditions	118	5	90	22	11
Enlarged Cervical Glands (non-Tubercular)		43	22	40	20	5
Defective Speech		2	4	4	1	1

TABLE VI.—*Continued.*

Defects found in course of Medical Inspection, 1936, and
re-examined by School Medical Officer in 1937.

DEFECT OR DISEASE.		Number found in 1936		Result of Inspection in 1937		
		Referred for Treat- ment	Referred for Observa- tion	Number cured	Number im- proved	Number un- changed, absent or left School
HEART AND CIRCULATION	Heart { Organic	1	9	...	6	4
	Disease { Functional .....	...	3	...	2	1
	Anæmia	47	1	31	12	5
LUNGS	Bronchitis	33	5	19	18	1
	Other Non-Tubercular Diseases	33	3	27	6	3
TUBERCULOSIS	Pulmonary {	Definite .....	...	...	...	...
		Suspected .....	...	...	...	...
		Glands	2	1	2	1
	Non- Pulmonary {	Bones and Joints.....	...	...	...	...
		Skin .....	...	...	...	...
		Other forms .....	...	...	...	...
NERVOUS SYSTEM ...	Epilepsy .....	...	2	...	2	...
	Chorea	21	3	15	7	2
	Other Conditions	20	15	20	12	3
DEFORMITIES	Rickets .....	...	...	...	...	...
	Spinal Curvature	6	...	3	3	...
	Other Forms	22	9	19	9	3
Other Defects and Diseases		218	52	211	12	4
MALNUTRITION	Slightly Sub-normal .....	...	38	22	12	4
	Bad .....	...	...	...	...	...
TOTALS.....		989	209	888	230	80

TABLE VII.

Monthly Summary of Work at School Clinic.

MONTH.	No. of defects under treatment at beginning of month	No. of defects admitted during month	No. of defects discharged during month	No. of defects under treatment at end of month	No. of visits by children to Clinic	No. of homes visited by Nurse	No. of visits to homes	No. of pairs of Spectacles supplied or ordered	No. of Examinations by Nurse at School
January	131	99	47	183	408	12	19	7	348
February	183	140	71	252	881	26	36	17	1350
March	252	179	277	154	1018	122	133	11	1357
April	154	139	54	239	788	65	68	2	1828
May	239	120	103	256	693	22	22	16	1419
June	256	120	65	311	542	247	254	13	1350
July	311	34	36	309	135	4	4	1	—
August	309	153	183	279	881	33	34	8	2340
September	279	99	111	267	393	13	15	5	939
October	267	157	51	373	889	61	62	14	215
November	373	202	378	197	1332	127	129	15	2449
December	197	84	160	121	709	54	55	30	443
TOTALS	2951	1526	1536	2941	8669	786	831	139	14038

Average Attendance per day ... 32

TABLE VIII.

Anthropometric Table showing Average Height and Weight of children examined at various ages.

BOYS			GIRLS	
AGE	HEIGHT in inches	WEIGHT in pounds	HEIGHT in inches	WEIGHT in pounds
3 Years...	38.43	34.60	38.08	33.42
4 ,,	39.83	38.54	40.57	37.35
5 ,,	42.80	42.65	43.24	42.01
6 ,,	44.91	46.92	44.74	42.26
7 ,,	47.87	52.09	47.98	50.24
8 ,,	49.42	56.68	49.50	59.88
9 ,,	51.64	62.74	51.49	62.26
10 ,,	54.05	68.25	51.53	67.41
11 ,,	54.79	72.05	55.19	75.22
12 ,,	56.10	78.29	57.02	85.41
13 ,,	57.96	86.89	57.99	90.89
14 ,,	60.50	91.00	59.58	91.75

TABLE IX.

Condition of Children examined by Nurses at School.

Number of surprise visits paid to Schools : 85.

Results of Examinations :

		No. of Exam'ations	Number Examined	Clean	Few Nits	Many Nits	Pedi- culi
BOYS	Infant Departments	1887	569	551	2	13	3
	Junior ,,	2168	618	610	...	2	6
	Senior ,,	1723	460	452	1	5	2
	Mixed ,,	552	141	137	...	4	...
GIRLS	Infant Departments	1847	570	499	13	50	8
	Junior ,,	2359	643	574	21	39	9
	Senior ,,	1594	448	411	13	20	4
	Mixed ,,	509	152	130	6	14	2
	Totals	12639	3601	3364	56	147	34

TABLE X.

Monthly incidence of cases of Scarlet Fever and Diphtheria from the various Schools during 1937.

School	Scarlet Fever													Diphtheria												
	January	February	March	April	May	June	July	August	September	October	November	December	Total	January	February	March	April	May	June	July	August	September	October	November	December	Total
Bradley Senior Boys	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Edge End Senior Boys	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Walverden Senior Girls
Whitefield Senior Girls
Bradshaw St. Jr. Mix. A
Bradshaw St. Jr. Mix. B	1	..	..	..	..	1	..	..	..	..	..	..	2
Great Marsden Jr. Mix.	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Leeds Rd. Jr. Mixed
Little Marsden Jr. Mix.
Lomeshaye Jr. Mixed
Holy Sav. R.C. Mixed	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
St. George's R.C. Mix.	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	2	
St. Joseph's R.C. Mix.	1	..	..	..	1	..	..	..	..	2	
Open Air	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Bradley Infants	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Bradshaw St. Infants	2	..	..	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..
Great Marsden Infants	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Holy Sav. Infants	2	..	..	..	..	..	..	..	..	..	2
Leeds Road Infants
Little Marsden Infants	1	1	
St. George's Infants	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	
St. Joseph's Infants	1	3	..	..	..	..	..	..	..	..	4	
Walverden Infants	1	1	
Whitefield Infants	1	..	..	..	..	..	..	..	..	1	
Secondary School	1	..	..	..	..	..	..	..	..	..
School out of Borough	1	..	..	..	..	..	..	..	..	1
Private School
Totals	1	1	...	1	1	5	1	...	1	1	...	...	12	1	1	4	4	...	1	1	...	...	...	3	2	17

TABLE XI.

Return of Medical Inspections for purposes of Employment
of Children and Young Persons, 1937.

	Number Examined	Number of Certificates Granted	Nature of Employment		
			Delivery of Milk	Delivery of News- papers	Other Employ- ment
Boys	72	72	24	46	2
Girls	1	1	1	...	...
Total...	73	73	25	46	2



Borough of Nelson.

Annual Report
of the
School Dental Clinic
For the Year 1937.

THOMAS JACKSON, L.D.S.,
Dental Surgeon.

SCHOOL CLINIC,

11 CARR ROAD, NELSON.

December, 1937.

To the Chairman and Members of the Nelson Education Authority.

I have the honour and pleasure in submitting my Annual Report as School Dentist to your Authority.

We still proceed on the lines as formerly, giving every child from 6 years of age up to school leaving age the privilege of inspection and treatment.

I have nothing new to report; matters continue very much as reported in former years.

The indifference and ignorance of dental matters is much the same, but the appalling indifference of the Senior Scholars is still very apparent and causes me much concern. Instead of the parents controlling the children, the children control the parents. The results are disastrous so far as the children's teeth are concerned.

The percentage of those requiring no treatment still goes up a little and the percentage of children attending the Clinic is also increased.

There is also a general improvement in the Dental Cleanliness of the children.

I have spent 63 half-days in Inspections and 108 half-days in treatment — also 3 half-days at the commencement of the year in clerical work and 9 half-days at the end of the year, in addition to which I spend 3 hours each week in clerical work after Inspections.

I receive every assistance from the Headmasters, Headmistresses and teachers at the Inspections and also the help of the School Clinic Nurses during the hours of treatment, all of which I appreciate.

I am,

Your obedient Servant,

THOS. JACKSON, L.D.S.,

School Dentist.

TABLE I.
Shewing Results of Inspections.

Age in Years and Sex	Number Inspected	Temporary			Permanent			Nils	Urgents
		Sound	Savable	Un- savable	Sound	Savable	Un- savable		
6—Girls ...	190	2417	265	258	873	10	...	56	2
Boys ...	196	2584	326	339	806	8	...	46	4
7—Girls ...	202	1786	172	395	1812	36	1	42	17
Boys ...	220	2190	175	416	1752	26	...	57	16
8—Girls ...	209	2175	87	403	2402	76	4	55	32
Boys ...	206	1400	79	397	2217	59	3	49	28
9—Girls ...	199	674	22	360	2859	138	23	53	52
Boys ...	196	901	41	367	2494	104	16	59	32
10—Girls ...	207	355	2	391	3565	151	67	57	59
Boys ...	209	489	9	342	3169	175	36	58	59
11—Girls ...	196	94	1	155	3479	128	125	68	58
Boys ...	215	268	...	259	3918	150	91	73	65
12—Girls ...	179	19	...	57	4158	102	138	67	48
Boys ...	198	40	...	121	4384	134	109	67	58
13—Girls ...	190	2	...	30	3534	116	159	65	60
Boys ...	189	2	...	35	4413	132	186	61	54
Total ...	3201	14496	1179	4725	45835	1545	958	933	644

TABLE II.
Shewing Percentages of Inspections.

Year	Sex	Number of Children Inspected	Sound Dentition	Require Urgent Treatment	Require Treatment
6	Girls	190	29.47	1.05	69.48
	Boys	196	23.47	2.04	74.49
7	Girls	202	20.79	8.41	70.80
	Boys	220	26.00	7.27	66.73
8	Girls	209	26.31	15.31	58.38
	Boys	206	23.80	13.60	62.60
9	Girls	199	26.63	26.13	47.24
	Boys	196	30.61	16.32	53.07
10	Girls	207	27.53	28.50	43.97
	Boys	209	27.75	28.23	44.02
11	Girls	196	34.70	29.59	35.71
	Boys	215	34.00	30.23	35.77
12	Girls	179	37.43	26.81	35.76
	Boys	198	33.83	29.29	36.88
13	Girls	190	34.21	31.58	34.21
	Boys	189	32.27	28.56	39.17
Divide by 16		3201	468.80	322.92	808.28
Compared with 1936		200.1	29.30	20.18	50.51
	Increase or Decrease	...	2.69	...	...
		11.21	...	1.54	1.01

TABLE III.

Shewing Percentages of Attendances at Clinic.

Years	Sex	Number Inspected	Treated at Clinic	Percentage
6	Girls	190	122	64.21
	Boys	196	141	71.93
7	Girls	202	109	54.00
	Boys	220	109	49.54
8	Girls	209	104	50.00
	Boys	206	101	49.00
9	Girls	199	90	45.22
	Boys	196	102	52.04
10	Girls	207	92	44.44
	Boys	209	70	33.49
11	Girls	196	58	29.58
	Boys	215	78	36.28
12	Girls	179	31	17.31
	Boys	198	58	29.29
13	Girls	190	29	15.26
	Boys	189	47	24.86
Divide by 16		3201	1341	666.45
Average		200.00	83.81	41.65
Compared with 1936				
Increase .....		...	...	...
Decrease		11.31	1.99	00.88

TABLE IV.

Shewing Total Treatments.

Years	Extractions		Fillings		Dressings		Extract'ns under local An'esth'tic
	Tem'ry	Perm'nt	Tem'ry	Permn't	Tem'ry	Permn't	
6	462	...	14	7	363	5	165
7	430	2	1	20	193	13	114
8	412	5	...	29	84	44	118
9	367	7	...	33	24	86	101
10	255	39	...	49	...	66	105
11	130	55	...	30	...	56	73
12	45	43	...	37	...	48	49
13	14	46	...	31	...	36	48
Total	2115	197	15	236	664	354	773

TABLE V.

Shewing Total Attending Clinic.

Age	Girls	Boys	Total
6 years...	122	141	263
7 „ ...	109	109	218
8 „ ...	104	101	205
9 „ ...	90	102	192
10 „ ...	92	70	162
11 „ ...	58	78	136
12 „ ...	31	58	89
13 „ ...	29	47	76
Total ...	635	706	1341

TABLE VI.

Shewing Total Average on Number Inspected.

	1937.	1936.	Increase.	Decrease.
Total Average Attendance at Clinic	41.65	40.77	0.88	—
Sound Dentition	29.14	28.00	1.14	—
Taken to Own Dentist	25.17	24.07	1.10	—
Refused Treatment, Indifferent, Ill, Left after Inspection, or Untraced through removal to other schools	4.04	7.16	—	3.12
	<hr/> 100.00	<hr/> 100.00		

TABLE VII.

Shewing Comparisons in Number of Children Inspected.

	1937.	1936.
Number of Children Inspected	3201	3381
Number of Nils	933	947
	<hr/> 2268	<hr/> 2434
Number of Children Attending Clinic	1341	1373
Percentage of Children Attending Clinic who were actually sent for	59.12	56.41
Increase Percentage of Children Attending Clinic	2.71	

TABLE VIII.

Shewing Comparisons of Children Inspected.

	1937.	1936.	Increase.	Decrease.
6 Years	386	400	—	14
7 Years	422	423	—	1
8 Years	415	391	24	—
9 Years	395	441	—	46
10 Years	416	459	—	43
11 Years	411	411	—	—
12 Years	377	379	—	2
13 Years	379	477	—	98
	<hr/>	<hr/>	<hr/>	<hr/>
	3201	3381	24	204
	<hr/>	<hr/>	<hr/>	<hr/>

Nett Decrease Inspected, 180, of whom 127 had left School.

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